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LYCOMING COLLEGE

WILLIAMSPORT, PENNA.



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OFFICIAL BULLETIN

LYCOMING COLLEGE

(Formerly WILLIAMSPORT-DICKINSON)

WILLIAMSPORT, PENNSYLVANIA

ANNOUNCEMENTS OF COURSES

1951-1952



Approved to Grant Baccalaureate Degrees by the Pennsylvania State
Department of Education and the University Senate
of the Methodist Church

An accredited member
of
The Middle States Association of Colleges and
Secondary Schools
Association of American Colleges
Association of Methodist Colleges
and
Pennsylvania Association of Colleges and Universities

CALENDAR

1951

SECOND SEMESTER

January 31, Wednesday—Registration of New Students
February 1, Thursday—Second Semester Begins
March 16, Friday after classes—Easter Recess Begins
March 26, Monday—Easter Recess Ends
March 27, Tuesday—Classes Resume
June 3, Sunday—Commencement

SUMMER SESSION

June 18, Monday—Registration
June 19, Tuesday—Classes Begin
July 2-5, Monday after classes to Thursday—Fourth of July
Recess
July 6, Friday—Classes Resume
July 26, Thursday—First Period Ends
July 27, Friday—Second Period Begins
August 30, Thursday—Second Period Ends

1951-1952

FIRST SEMESTER

September 17, Monday—Freshman Orientation Begins
September 20, Thursday—Registration of Freshmen
September 21, 22, Friday at 8:30 A. M. until Saturday noon—
Registration of Upperclassmen
September 23, Sunday—Matriculation Service
September 24, Monday—Classes Begin
November 21-25, Wednesday noon until Sunday—Thanksgiving
Recess
November 26, Monday—Classes Resume
December 21, Friday after classes—Christmas Recess Begins
January 2, Wednesday—Christmas Recess Ends
January 3, Thursday—Classes Resume
January 28, Monday, 5 P. M.—First Semester Ends

SECOND SEMESTER

January 29, Tuesday, 8:30 A. M.—Registration of Freshmen and
New Students
January 30, Wednesday—Registration of Upperclassmen
January 31, Thursday—Classes Begin
April 4, Friday after classes—Easter Recess Begins
April 14, Monday—Easter Recess Ends
April 15, Tuesday—Classes Resume
June 1, Sunday—Commencement

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BOARD OF DIRECTORS

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MR. KENNETH E. HIMES (not a director)	<i>Treasurer</i>

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TERM EXPIRES 1952

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MR. FRANK DUNHAM	Wellsboro
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MR. RALPH E. KELCHNER	Jersey Shore
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REV. W. EDWARD WATKINS, D.D.	Harrisburg
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DR. PAUL E. WITMEYER	Williamsport

TERM EXPIRES 1953

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DR. CHARLES A. LEHMAN	Williamsport
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MR. SPENCER S. SHANNON	Bedford
MRS. H. MARSHALL STECKER	Mount Carmel
MR. GEORGE W. SYKES	Conifer, N. Y.
REV. W. GALLOWAY TYSON, D.D.	Drexel Hill
REV. G. CECIL WEIMER	Williamsport

COMMITTEES OF THE BOARD OF DIRECTORS

The President of the Board of Directors and the President of the College are ex-officio members of all standing committees.

EXECUTIVE COMMITTEE

JUDGE CHARLES S. WILLIAMS	<i>Chairman</i>
REVEREND G. CECIL WEIMER	<i>Secretary</i>
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JUDGE DON M. LARRABEE, LL.D.	
REV. A. LAWRENCE MILLER, PH.D.	
REV. ELVIN CLAY MYERS, D.D.	
MR. ARNOLD A. PHIPPS	
HON. ROBERT F. RICH	
MR. GEORGE L. STEARNS, II	
DR. PAUL E. WITMEYER	

FINANCE COMMITTEE

MR. HAROLD A. BROWN	<i>Chairman</i>
MR. KENNETH E. HIMES	<i>Secretary</i>
MR. CHARLES V. ADAMS	
MR. RODGERS K. FOSTER (Deceased)	
MR. JOHN H. MCCORMICK	
REV. A. LAWRENCE MILLER, PH.D.	
MR. ARNOLD A. PHIPPS	

AUDITING COMMITTEE

MR. RALPH E. KELCHNER	<i>Chairman</i>
REV. W. EDWARD WATKINS, D.D.	

ATHLETIC COMMITTEE

REV. W. W. BANKS	<i>Chairman</i>
REV. ELVIN CLAY MYERS, D.D.	<i>Secretary</i>
MR. CHARLES V. ADAMS	
MR. FRANK DUNHAM	
JUDGE DON M. LARRABEE, LL.D.	

ADMINISTRATION OFFICERS

JOHN W. LONG, A.B., D.D., LL.D.	<i>President</i>
WILLIAM S. HOFFMAN, B.S., M.S.	<i>Dean</i>
G. HEIL GRAMLEY, B.S., M.A.	<i>Dean of Men</i>
	<i>Director of Admissions and Registrar</i>
ELIZABETH B. MILLER, B.S., M.Ed.	<i>Dean of Women</i>
ROBERT G. WHARTON, JR.	<i>Business Manager</i>
KENNETH E. HIMES, B.S., G.S.B.	<i>Treasurer</i>
OLIVER E. HARRIS, A.B., M.S.	<i>Director of Guidance</i>
C. HERBERT PICHT, A.B., S.T.B., Th.D.	<i>College Chaplain</i>
NOREEN C. BLUM, A.B., B.S.L.S.	<i>Librarian</i>

FACULTY

JOHN W. LONG, President (1921)

A.B., D.D., Dickinson College; LL.D., Western Maryland; Drew Theological Seminary.

WILLIAM S. HOFFMAN, Dean (1949)

B.S., M.S., Pennsylvania State College.

G. HEIL GRAMLEY

Dean of Men, Director of Admissions, Registrar (1950)

B.S., Albright College; M.A., Bucknell University.

ELIZABETH B. MILLER, Dean of Women (1950)

B.S. in Ed., Slippery Rock State Teachers College; M.Ed., Pennsylvania State College.

ERIC V. SANDIN, Divisional Director, Humanities (1946)

Professor of English

B.S., Wesleyan University; M.A., Columbia University; Ph.D., University of Illinois.

GEORGE S. SHORTESS, Divisional Director, Science (1948)

Professor of Biology

A.B., Johns Hopkins University; A.M., Columbia University; Ph.D., Johns Hopkins University.

J. MILTON SKEATH (1921) *Professor of Psychology*
A.B., Dickinson College; M.A., University of Pennsylvania.

MABEL K. BAUER (1942) *Associate Professor of Chemistry*
B.S., Cornell University; M.S., University of Pennsylvania.

ROBERT H. EWING (1947) *Associate Professor of History*
A.B., College of Wooster; M.A., University of Michigan; on leave of
absence 1950-1951.

PHIL G. GILLETTE (1929) *Associate Professor of Spanish*
A.B., Ohio University; M.A., Columbia University.

GEORGE S. GOODELL (1947) *Associate Professor of Sociology*
B.S., M.A., New York University.

OLIVER E. HARRIS, Director of Guidance (1948)
Associate Professor of Psychology
A.B., M.S., Pennsylvania State College.

HERBERT EUGENE KETCHAM (1949)
Associate Professor of Foreign Languages
A.B., College of the City of New York; M.A., New York University;
Ph.D., University of North Carolina.

CLAUDE C. KIPLINGER (1949) *Associate Professor of Chemistry*
A.B., Western Reserve University; M.S., Ohio State University.

WALTER G. McIVER (1946) *Associate Professor of Voice*
Mus.B., Westminster Choir College; A.B., Bucknell University.

LORING BENSON PRIEST, Divisional Director, Social Studies (1949)
Associate Professor of History
Litt.B., Rutgers University; A.M., Ph.D., Harvard University.

JAMES W. STERLING (1924) *Associate Professor of English*
A.B., M.A., Syracuse University.

ARMAND J. L. VAN BAELEN (1947)
Associate Professor of Mathematics
College Communal, Tirlemont, Belgium; B.S., Agric College, Gembloux,
Belgium; M.S., Rutgers University.

- HELEN BREESE WEIDMAN (1944)
Associate Professor of Political Science
 A.B., M.A., Bucknell University; Ph.D., Syracuse University.
-
- JOSEPH D. BABCOCK (1931) *Assistant Professor of Physics*
 A.B., Dickinson College; M.A., Bucknell University.
- NOREEN CHALICE BLUM, Librarian (1949)
Librarian with Rank of Assistant Professor
 A.B., Cornell College; B.S.L.S., Illinois University.
- J. MILNOR DOREY (1947) *Assistant Professor of English*
 A.B., M.A., Dickinson College; M.A., Harvard University.
- JOHN P. GRAHAM (1939) *Assistant Professor of English*
 Ph.B., Dickinson College; M.Ed., Pennsylvania State College.
- HAROLD I. HINKELMAN
 Acting Divisional Director, Business Administration (1946)
Assistant Professor of Accounting
 B.S., Shippensburg State Teachers College; M.S., Bucknell University.
- GEORGE W. HOWE (1949) *Assistant Professor of Biology*
 A.B., M.S., Syracuse University; Ph.D., Cornell University.
- FRANCES E. KNIGHTS (1947) *Assistant Professor of Mathematics*
 A.B., M.A., Bucknell University.
- MARY JANE MARLEY (1946)
Assistant Professor of Secretarial Studies
 B.S., M.S., Bucknell University.
- CHARLES HERBERT PICT, College Chaplain (1948)
Assistant Professor of Philosophy
 A.B., Union College; S.T.B., Th.D., Boston University.
- DONALD GEORGE REMLEY (1946)
Assistant Professor of Mathematics, Physics
 A.B., Dickinson College; M.A., Columbia University.
- MARY LANDON RUSSELL (1936)
Assistant Professor of Organ, Piano
 Mus.B., Susquehanna University Conservatory of Music.

ROBERT F. SMITH, Director of Athletics, Basketball Coach (1946)
Assistant Professor of History
B.S., Lock Haven State Teachers College; M.Ed., Pennsylvania State College.

VIRGINIA L. SMITH (1946) *Assistant Professor of English*
A.B., Juniata College; M.A., Pennsylvania State College.

HENRY H. SHISSLER, Director of Town and County Work (1950)
Assistant Professor of Sociology
B.S., Millersville State Teachers College; S.T.B., Westminster Theological Seminary; M.Ed., Pennsylvania State College.

MARY ELIZABETH STEWART (1948) *Assistant Professor of History*
B.S., M.A., University of Pennsylvania; M.A., Smith College; Ph.D., Columbia University.

JOHN A. STREETER (1946) *Assistant Professor of Economics*
A.B., M.A., Pennsylvania State College.

CLAIR J. SWITZER (1945) *Assistant Professor of Religion*
A.B., Juniata College; A.M., Bucknell University; B.D., Susquehanna University Theological Seminary.

MICHAEL M. WARGO (1950) *Assistant Professor of History*
A.B., M.A., Bucknell University.

GEORGE LEE BAER (1947) *Instructor in Physical Education*
B.S., University of Delaware.

LULU BRUNSTETTER (1925) *Assistant Librarian with Rank of Instructor*
Bloomsburg State Normal.

ROGER EARLE COGSWELL (1946) *Instructor in French*
A.B., Sorbonne University, Paris, France; M.A., Pennsylvania State College.

DORIS ALLEN COOMBS (1950) *Instructor in Secretarial Science*
B.S., Bucknell University.

HAZEL B. DOREY (1943) *Instructor in Piano*
Honor graduate, Zeckwer-Hahn Conservatory of Music, Philadelphia, Pa.

- HELEN M. FELIX (1948) *Instructor in Physical Education*
B.S., East Stroudsburg State Teachers College.
- SAMUEL GOOD (1949) *Instructor in Economics*
B.S., Emory University; M.S., University of Pennsylvania.
- FRANK W. HASTINGS (1950) *Instructor in Economics*
B.S., Drexel Institute of Technology; M.A., University of Pennsylvania.
- KENNETH E. HIMES, Treasurer (1948) *Instructor in Banking*
B.S., Drexel Institute of Technology; G.S.B., Rutgers University.
- ELOISE B. MALLINSON (1946) *Instructor in English*
A.B., M.A., Bucknell University.
- JEAN C. MILNOR (1948) *Assistant Librarian with Rank of Instructor*
A.B., Goucher College.
- GLORIA F. REBECCHI (1948) *Instructor in Spanish, French*
B.S., Temple University; A.M., University of Pennsylvania.
- RALPH D. RILEY (1949) *Assistant Librarian with Rank of Instructor*
A.B., B.S.L.S., Syracuse University.
- JAMES W. SHEAFFER (1949) *Instructor in Music*
B.S., Indiana State Teachers College; M.S., University of Pennsylvania.
- LOYAL TILLOTSON (1949) *Instructor in Retail Management*
B.S., M.B.A., Bradley University.
- ALBERTA KREBBS VICKERS (1949) *Instructor in Art*
A.B., MacMurray College; M.A., Columbia University.
- ROBERT C. VICKERS (1950) *Instructor in Art*
B.Ed., Geneseo State Teachers College (N. Y.); M.A., Teachers College,
Columbia University.
- LEONARD T. WRIGHT (1949) *Instructor in Business*
B.S., M.B.A., Syracuse University.

PART TIME INSTRUCTORS

- CARL S. BAUER (1946) *Engineering Drawing*
B.S., M.Ed., Pennsylvania State College.
- VINCENT J. CHIMENTE (1950) *Football Coach*
B.S., Lafayette College.
- MELVIN A. DRY (1950) *Trainer*
B.S., Lock Haven State Teachers College.
- ROBERT T. GOLDER (1950) *Insurance*
A.B., Pennsylvania State College.
- CLAY A. KETCHAM (1950) *Greek*
A.B., Wilson College; M.A., Bryn Mawr College.
- DON L. LARRABEE, Attorney at Law (1945) *Business Law*
A.B., Allegheny College; Wharton Graduate School of the University
of Pennsylvania and Law School of the University of Pennsylvania.
- MARY E. MEYERS (1950) *Anatomy and Physiology*
B.S., Bucknell University; R.N., Kings County Hospital, School of
Nursing, Brooklyn, N. Y.
- DONALD T. WILLIAMSON (1949) *Accounting*
A.B., Dickinson; C.P.A. (Pennsylvania).

ADMINISTRATIVE ASSISTANTS

BESSIE L. WHITE	<i>Recorder</i>
CLARA E. FRITSCHÉ	<i>Bookkeeper</i>
JAMES L. GLEASON, A.B.	<i>Assistant to Director of Admissions</i>
RICHARD W. WOLF, A.B.	<i>Publicity Director</i>
PAULINE M. BRUNGARD, B.S.	<i>Assistant Bookkeeper</i>
LULU BRUNSTETTER	<i>Assistant Librarian</i>
JEAN C. MILNOR, A.B.	<i>Assistant Librarian</i>
RALPH D. RILEY, A.B., B.S.L.S.	<i>Assistant Librarian</i>
NELLIE F. GORGAS	<i>Secretary to the President</i>
ROSEMARY FORD, A.B.	<i>Secretary to the Dean</i>
BARBARA B. HESCH	<i>Secretary to the Registrar</i>
EMILY C. BICHLE	<i>Secretary to the Business Manager</i>
PATRICIA A. NEFF	<i>Secretary to the Librarian</i>
DOROTHY J. STREETER	<i>Bookstore Manager</i>
FREDERICK S. DERR, M.D.	<i>College Physician</i>
MARTHA B. BROUSE	<i>College Nurse</i>

GENERAL INFORMATION

THE COLLEGE

Lycoming College is a liberal arts institution. It is co-educational and provides facilities for both day and boarding students. The four year program offers courses of study leading to Bachelor of Arts and Bachelor of Science degrees. In addition, certain two-year terminal programs are available.

LOCATION

The college is located near the center of the city of Williamsport, Pennsylvania, on a slight eminence, which causes the institution to be affectionately referred to as "The College Upon the Hill-top." Its stately elms, maples, and numerous shrubs form an attractive setting for the imposing buildings.

Williamsport itself is known as "The Queen City of the West Branch of the Susquehanna River," on the famed Susquehanna Trail, midway between Buffalo, New York, and Washington, D. C. It is famed for its picturesque scenery, its beautiful homes, and the culture and kindness of its people. The Pennsylvania and Reading railroads, with their fast trains, and the Lakes-to-Sea and the Greyhound busses put it within two hours of Harrisburg, four and a half hours of Philadelphia, and six hours of Pittsburgh and New York. Capital, TWA, and American Airlines place the time at forty minutes to Harrisburg, an hour and ten minutes to Philadelphia, one hour and fifteen minutes to New York, and about three hours to Boston.

HISTORY

Lycoming College has a long and varied history of service in the educational field. Founded in 1812, it was known for a period of thirty-six years as Williamsport Academy. In 1848 a group of men

of Williamsport, under the leadership of Reverend Benjamin H. Crever, hearing that the Academy was about to be discontinued, proposed to accept the school and conduct it as a Methodist educational institution. Their offer was accepted, and completely reorganized with a new president and faculty, it opened September, 1848, as Dickinson Seminary, under the patronage of the old Baltimore Conference. It was acquired in 1869 and is still owned by the Preachers' Aid Society of the Central Pennsylvania Conference of the Methodist Church, and is regularly chartered under the laws of the state of Pennsylvania. It is not a money-making institution. All of its earnings as well as the generous gifts of its friends have been spent for maintenance and improvements.

During a large part of its history, its curriculum covered the work now included in a high school course and at the same time included about two years of college work. By its original charter it was empowered to grant degrees, which authority was for a time exercised. In 1912 it began to confine itself to the college preparatory field and continued in that field until 1929. From that date until June, 1947, it operated as a preparatory school and junior college.

The increased college attendance following the war and trends in higher education in recent years clearly indicated a need for more four year colleges. After giving the matter careful consideration, the Board of Directors, at a special meeting January, 1947, authorized and set in motion plans to adopt a four year college program. The college preparatory department was discontinued June, 1948. In the same year, after approval of the Pennsylvania Department of Education, the charter was amended to include the power to grant Baccalaureate Degrees. The name of the institution was then officially changed to Lycoming College. Lycoming is an Indian name closely associated with this region from early colonial days.

AIM

It is the aim of Lycoming College to provide to qualified students education of such a nature as to supply the background for a more intelligent understanding and appreciation of the economic, political, historical, social, scientific, esthetic, and religious aspects of life. In addition to the broad, general education, courses pre-



The Gymnasium

paratory to specialization in law, medicine, dentistry, engineering, and business, or courses preparatory to graduate work in some field of concentration are offered. Terminal education is available in Art, Laboratory Technology, Medical Secretarial, Music, and Secretarial Science.

BUILDINGS

OLD MAIN. The Main Building is an imposing structure of brick occupying the central part of the campus. In this building are administrative and faculty offices, class rooms, men's day room, lounge, and dormitories for men. There are hardwood floors throughout.

BRADLEY HALL. Bradley Hall, a four story building, is constructed of red brick, and contains the Dramatic Studio, the Lundy Radio Broadcasting Studio, the Gray Memorial Library, and one floor of men's dormitories.

RICH HALL. Dedicated October 15, 1948, Lycoming's modern, brick, women's dormitory is of Georgian Colonial style and fireproof in construction. This beautiful building houses 120 young women. Each suite of two rooms has private bath facilities which are shared by four students. Lounges are conveniently located for entertaining guests and for small student meetings. Also located in the building are the Infirmary and nurses' quarters, game rooms, and the women's day room. The building has been completely furnished with new and attractive furnishings.

EVELAND HALL. Eveland Hall is also of red pressed brick, and is a modern fire-proof building. The basement houses the heating plant. A modern chemistry laboratory and class rooms occupy the first floor. The second and third floors contain dormitories.

THE GYMNASIUM. Lycoming is fortunate in having a splendid modern gymnasium, which is a popular center of activities. The building is 110 feet by 88 feet, beautifully designed and of semi-fireproof construction.

The basement includes a modern swimming pool 20 by 60 feet, equipped with a sterilization and filtration plant. The pool is con-

structed of tile and is amply lighted, with windows of glass blocks, making a sunlit pool at nearly all hours of the day.

There are also two bowling alleys of latest design, and separate rooms and showers for both home and visiting teams. Provision is made for private dressing rooms and shower rooms for women.

The gymnasium floor proper is 90 by 65 feet with a stage at the easterly end. The main floor can readily be converted into an auditorium suitable for recitals and even more pretentious productions.

ATHLETIC FIELD. Built partially on the site of the old athletic field, the new field runs north and south, beginning directly behind the gymnasium and dining hall, and extending to the terrace just off Washington Boulevard on the north. Ample room is provided for tennis courts and football field, with facilities for softball and other intramural sports.

New bleachers have been erected which accommodate 1,000 people. They have wooden seats on a steel and concrete foundation, with an attractive brick wall at the rear, surmounted with a wrought iron fence. Evergreens, rose of Sharon, and spiraea line the inside of the fence.

CLARKE MEMORIAL. This building was made possible by the bequest of Miss Martha B. Clarke, of the class of 1862, as a memorial to her brothers and herself. It is designed in colonial style, is of fireproof construction, and houses the chapel and the dining hall. The chapel which seats six hundred, has excellent acoustics, provides facilities for devotional services, assemblies, dramatics, concerts, and lectures.

The dining hall, on the first floor, is arranged with separate entrances and with coat rooms and wash rooms for men and women. It opens on a terrace overlooking the campus and athletic field. Effort has been made to produce a comfortable, home-like room. Either table service or cafeteria service is possible.

The erection of this building fits into the plan of an attractive quadrangle. On the north the open campus extends to Washington Boulevard.

FINE ARTS. The Fine Arts building is located at the northern end of the campus. Three large studios and several smaller practice rooms on the first floor are occupied by the Music Department. The Art Department is located on the second floor and has the advantage of northern lighting. There also are private studios and conference rooms for members of the faculty. The building is well equipped and attractively furnished throughout.

THE PRESIDENT'S HOME. The architectural style of the President's Home harmonizes with the Fine Arts building and with it forms an imposing unit at the northwest corner of the campus.

MEMORIAL HALL. Memorial Hall was dedicated on November 1, 1947. It is a three-story building and has floor space of 8,000 square feet. It contains class rooms, departmental offices, and the biology and physics laboratories. This building, erected through the cooperation of the college and the Federal Works Agency, is attractively faced with red brick.

THE ANNEX. To the south of Bradley Hall another class room building has been erected by the Federal Works Agency. Departmental offices are also located here.

LIBRARY FACILITIES

THE LYCOMING COLLEGE LIBRARY. A new college library building is, as this bulletin goes to press, in the process of being constructed. Completion of the structure is planned for July 15, 1951. The cost is estimated at \$301,000. The building will hold over 100,000 volumes and will seat approximately 250 students. There will be a browsing recreational reading room, periodical room, and a typing room besides the regular reading rooms and offices on the first floor.

On the second floor an audio-visual classroom for 100 students and another for 25 students with a storage room between will form a unit. There will be a listening room for groups and one for individuals.

Rare books and historical data will be kept on the second floor. There is also provision for seminar rooms on this floor.

The present college library is located in Bradley Hall. It is well-lighted, and arranged for research and reflective reading.

There are now more than 21,000 volumes, and this number is rapidly being augmented. An excellent list of reference works has been provided. In order to stimulate the interest of the students in books not directly related to their special interests, a group of books for general reading has been added.

Currently the library subscribes to two hundred and sixty periodicals, covering all subject fields offered by the college, and ten newspapers, including three foreign language papers. Seven periodical indexing and bibliographical services are regularly received.

A full-time professionally trained librarian, three assistant librarians, and a secretary to the librarian are in charge of the library. Student assistants are employed as needed. This staff is available to help in locating reference material and in preparing bibliographies.

In addition to the usual reading material, the library has a collection of recordings for the use of various departments and the student body. Included are not only musical records, but also a number of literary or historical records and albums.

Located within two squares of the college campus is one of the finest Public Libraries in the state—the James V. Brown Library. Through a co-operative arrangement, its professionally trained staff, ample reading and reference rooms, and large collection of literature are freely available to Lycoming students.

AUDIO-VISUAL SERVICES

Audio-visual aids in instruction are relatively new, but the idea is growing more important. Progressive educational institutions are not ignoring the potentialities of visual and auditory methods, and with this in view, Lycoming is promoting an active program to incorporate audio-visual devices for more purposeful and effective instruction. Special audio-visual equipment available includes a sound, 16 mm., moving-picture projector, a silent projector, one two-by-two slide projector, one combination two-by-two slide and 35 mm. filmstrip projector, three combination radio and record machines, a wire recorder, two public address systems, and a micro-film reader.

Through the generosity of the Lundy Construction Company, a Radio Studio has been installed on the ground floor of Bradley Hall where students may be trained in radio speech, announcing, and script writing. The equipment is linked up with the local radio station, WRAK, an NBC affiliate. Student programs are broadcast regularly. The college studio is known as the Lundy Broadcasting Studio.

The Library is building a collection of films, filmstrips, and records, which will be used in connection with classes, special groups on the campus, and for the pleasure and relaxation of students.

A special room is equipped to carry on the audio-visual program, and periods are designated for all groups and classes who desire to participate.

FINANCIAL INFORMATION

GENERAL

In considering the expenses of college, it is well to bear in mind that no student actually pays the full cost of his education. State colleges are enabled to keep the cost of tuition within reasonable limits by grants from the public treasury; independent colleges achieve this by voluntary contributions supplemented by income from their invested endowment funds. At Lycoming College, a non-profit institution, the tuition fee which each student pays represents approximately three-fourths of the total instruction cost. Tuition is kept at the lowest possible minimum consistent with adequate facilities and competent instruction.

Tuition at Lycoming is \$200.00 per semester, plus certain fees which are listed on the following pages. The present cost of Room and Board per semester is \$275.00 for women and \$260.00 for men. (The academic year comprises two semesters of approximately sixteen weeks each.)

Regularly enrolled students carrying a normal schedule of from 12 to 15 hours of class or laboratory pay the full tuition charge. Those students taking fewer than 12 hours of work per semester, or fewer than 6 hours of work per semester in the summer session, are charged \$15.00 per credit hour. Additional credits beyond the normal schedule of 15 hours are charged at the rate of \$12.50 for each semester hour credit. Because of the individual attention needed, instruction in music and art is charged on a different basis. Complete details are shown on page 24.

APPLICATION FEE AND DEPOSIT

Every student who desires admission is required to send a registration fee of \$10.00 with the application. This payment partially covers administrative costs of handling the application. The fee is not refundable.

Upon the acceptance of a student for admission to the college, a payment of \$35.00 must be sent to the Director of Admissions. This payment is applied against the general charges of the semester and serves as a reservation deposit. It will not be refunded unless notice is received at least 30 days prior to the beginning of the semester that the student will be unable to attend.

BOOKS AND SUPPLIES

A modern book and supply store is conveniently located on the campus. Books and supplies are purchased by the individual student. The estimated cost is approximately \$50.00 per year, but will vary somewhat in accordance with the course of study which the student is pursuing. Terms are cash, except for veterans who are attending under the G. I. Bill. The bookstore is open registration day and daily thereafter.

ACTIVITIES FEE

In support of student activities, including athletics, health, student publications, student organizations, lectures, entertainment, and the Greater Lycoming Banquet, and for use of the library and gymnasium, a yearly fee of \$25.00 (payable \$15.00 first semester, \$10.00 second semester) is charged to the residents and \$20.00 to day students (payable \$10.00 each semester).

ART AND MUSIC

Tuition for Music Majors, for all academic and theoretical requirements as well as applied music (voice, piano, organ, violin, instrumental), is \$225.00 per semester.

Special or part time music students are charged \$40.00 per semester for one one-half hour lesson per week.

Where the organ or pianos are required for practise a charge of \$5.00 per semester for piano and \$10.00 per semester for organ is made. This is for one period per day.

Tuition for Art, including all required academic subjects and applied art, is \$225.00 per semester.

Special or part time applied art students will be charged \$45.00 for six class periods per week (three credit hours).

Where Art is used as an elective to complete 15 credit hours for a semester's work, an adjusted charge will be made.

DAMAGE DEPOSIT

A damage deposit of \$10.00 is required of all resident students. General damage to dormitory property will be charged against this fund. The remainder will be returned to the student at the end of the college year. Wherever possible, damage will be charged to the person directly responsible. Damage and breakage to doors and in the room to which the student is assigned will be his responsibility.

EXPENSES IN DETAIL PER SEMESTER

DORMITORY STUDENTS

MEN	<i>Per Semester</i>
Tuition (Normal Schedule)	\$200.00
Room	75.00
Board	200.00
	<hr/>
Basic cost per semester*	\$475.00
 WOMEN	
Tuition (Normal Schedule)	\$200.00
Room	100.00
Board	200.00
	<hr/>
Basic cost per semester*	\$500.00

NON-DORMITORY STUDENTS

Tuition (Normal Schedule)	\$200.00
	<hr/>
Basic cost per semester*	\$200.00

SPECIAL CHARGES

Laboratory Fees per semester:	
Biology, Chemistry, Physics	\$ 10.00
Office Practice (Secretarial Course)	5.00
Office Machines	10.00
Activities Fees—Dormitory Students (per year)	25.00
—Non-Dormitory Students (per year)	20.00
Late Registration Fee	5.00
Additional Credit Per Semester Hour	12.50
Key Deposit (for each key required)50
Tray Fee (for meals served in rooms per tray)20
Damage Deposit (unused portion returned)	10.00
Diplomas—for A.B. or B.S. degree	10.00
Certificate	5.00
Caps and Gowns (rental at prevailing cost)	<hr/>

* Does not include damage fee, activities fee, laboratory fees and extra credit hours, if any.

SCHEDULE OF PAYMENTS

All remittances should be made payable to Lycoming College on or before registration day of each semester as follows:

Resident Students	\$325.00*
Day Students	185.00*
Resident Students (Veterans)	140.00
Day Students (Veterans)	none

At mid-semester an itemized statement, showing all charges and payments, will be mailed to the person who is responsible. On receipt of the bill the balance of term charges will be due and payable.

All discounts, scholarships, and earnings from college employment will be applied to the student's account at the end of the semester.

* Less reservation deposit.

PARTIAL PAYMENTS

For the convenience of those who find it impossible to follow the schedule of payments as listed above, registration may be made on partial payment. However, permission to do so must be obtained in advance from the President or Treasurer and arrangements made to liquidate the entire bill by the end of the semester.

WITHDRAWALS AND REFUNDS

The date on which the Dean of the College approves the student's withdrawal sheet is considered the official date of withdrawal. In the case of minors, the approval of the parent or guardian is required before the withdrawal is approved and before any refund is made.

Room rentals have been fixed on a semester basis. Consequently, students leaving college prior to the ending of a semester will not be entitled to any refund on room rent. Board will be pro-rated by the week over the period of attendance.

Refund of tuition will be made to students who withdraw voluntarily from the College while in good standing and is fixed on the following basis: students leaving during the first four-week period are charged 30%; during the second four weeks 60%; during the third four weeks, 90%; after twelve weeks, full charge.

Dropping a subject from the original schedule after the second week of either semester will not justify any claim for refund of tuition charges. Written permission to drop the subject must be obtained from the Admissions Office. No refund will be made to those students who are asked to withdraw from college.

Other fees cannot be refunded for any reason whatever.

PENALTY FOR NON-PAYMENT OF FEES

No grades will be issued, no diploma, certificate, transcript of credits, or certification of withdrawal in good standing will be granted to any student until a satisfactory settlement of all obligations has been made.

GUESTS

Parents or guardians visiting students are the guests of the College for the first twenty-four hours. Other guests may be entertained if their student hosts pay the regular rates for their entertainment. In all instances,

the Business Office should be notified in advance of expected guests, whether parents or other friends, and payment should be made at that time. Faculty and students remaining at the College during vacations will be charged in accordance with prevailing rates.

DISCOUNTS

Special discounts are allowed for the following:

- (1) Two students from the same family at the same time.
- (2) Children of ministers.
- (3) Students preparing for the ministry or missionary work.

Not more than one discount will be allowed to any student.

The college reserves the right to withdraw any discount from a student whose scholarship or behavior is unsatisfactory.

No discount is allowed on Music and Art, whether taken as extra-subjects in connection with a regular course or whether the student is majoring in one of these subjects.

LOANS

A limited number of worthy students, members of the Methodist Church, may secure loans from the Student Loan Fund administered by the Board of Education of that Church. Christian character, satisfactory scholarship, promise of usefulness, financial responsibility, and the recommendation of the church to which the applicant belongs are essential to a loan. Each borrower must sign an interest-bearing promissory note.

There are also loan funds in the Philadelphia and the Central Pennsylvania Conferences of the Methodist Church for students from these conferences on practically the same terms as above.

The income from \$10,000.00, from the Mr. and Mrs. Robert F. Rich Loan and Prize Fund, is available to a limited number of students. Each borrower must sign an interest-bearing promissory note. The recipients are selected by the President.

Donald Robert Ahn Memorial Fund in Music. The principal shall be available for loans to worthy students who are majoring in music. Recipients shall be recommended by the Chairman of the Music Department to the President.

Detailed information may be secured from the President.

SELF-HELP

There are opportunities in the College for self-help for a number of women students. Also some men students are able to earn part of their expenses in various ways at the College, and there are frequent opportunities for student work in the city.

ENDOWMENT SCHOLARSHIPS

The Margaret A. Stevenson Powell Scholarship, the gift of her children. Endowment, \$1,200.

The Pearl C. Detwiler Scholarship, bequeathed by her to the Endowment Fund, \$500.

The Frank Wilson Klepser Memorial Scholarship, given by his parents Endowment, \$5,000.

The Benjamin C. Bowman Scholarship, the gift of Mr. and Mrs. J. Walton Bowman. Endowment, \$5,000.

The Mr. and Mrs. A. F. Young Scholarship. Endowment, \$10,000.

The Miriam P. Welch Scholarship. Endowment, \$500.

The Wilson Hendrix Reiley Memorial Scholarship. Endowment, \$500.

The Mrs. Margaret J. Freeman Scholarship. Endowment, \$1,000.

The Agnes L. Hermance Art Scholarship. Endowment, \$2,000.

The Grace Stanley Dice Memorial Scholarship, the gift of Willis C. Dice, husband. Endowment, \$1,000.

The Clarke Memorial Fund of about \$100,000, provided by gift and bequest by the late Miss Martha B. Clarke, of Williamsport, Pa., a former student, in the interest of the development program of Lycoming College. This was applied to the erection of the Clarke Building.

SCHOLARSHIPS

Over two thousand dollars is awarded annually in scholarships and prizes. This not only encourages scholastic attainment, but also affords generous help to needy, worthy students. The list of scholarships and prizes follows, together with the awards in each case made at Commencement, 1949.

THE DeWITT BODINE SCHOLARSHIP, founded by the late DeWitt Bodine, of Hughesville, Pa.

The entire expenses of board and tuition to that pupil of the graduating class of the Hughesville High School who shall excel in scholarship and character.

CHARLES LITTLE Hughesville, Pa.

THE EDWARD J. GRAY SCHOLARSHIP, founded by the late Rev. Dr. Edward J. Gray, for thirty-one years the honored President of this institution.

The interest on \$1,000 to be paid annually, in equal amounts, to the two applicants who attain a required rank highest in scholarship and deportment in the Senior Class.

JEANNETTE CONFER Williamsport, Pa.

PAULINE PRIEBLE BRUNGARD Hughesville, Pa.

THE ALEXANDER E. PATTON SCHOLARSHIP, founded by the late Hon. Alexander E. Patton, Curwensville, Pa.

The interest on \$1,000 to be paid annually, in equal amounts, to the two applicants who attain a required rank highest in scholarship and deportment in the Junior Class.

SARA McFARNEY Williamsport, Pa.
RHODA PONTZ HEVNER Akron, Pa.

THE GEORGE W. HUNTLEY, JR., SCHOLARSHIP, founded by the late George W. Huntley, Jr., Emporium, Pa.

The interest on \$6,350.00 is available to help defray the tuition and expenses for the first year only of any graduate of Emporium High School who meets provisions as set forth in the trust agreement. The selection is made by the Superintendent of Schools, Cameron Co., Pa.

RONALD MOORE Emporium, Pa.

THE ELIZABETH S. JACKSON SCHOLARSHIP, founded by the late Mrs. Elizabeth S. Jackson, of Berwick, Pa.

The interest on \$500 to be paid annually to the applicant who attains a required rank highest in scholarship and deportment in the Sophomore Class.

HARVEY HARTMAN Williamsport, Pa.

THE DONALD C. WOLFE SCHOLARSHIP, founded by the late Mrs. Nora E. Wolfe, of Williamsport, Pa.

The interest on \$4,000.00 to be paid annually to a worthy ministerial student to be selected by the trustees of Lycoming College.

EMERSON ABRAMS Hastings, Pa.

THE WILLIAM WOODCOCK SCHOLARSHIP, founded by William L. Woodcock, Esq., of Altoona, Pa.

The interest on \$500 to be paid annually to the applicant who attains a required rank second in scholarship and deportment in the Sophomore Class.

HELEN TROISI Williamsport, Pa.

THE HIRAM AND ELIZABETH WISE SCHOLARSHIP, founded by Hiram Wise, Montoursville, Pa.

The interest on \$500.00 to be paid annually to that ministerial or missionary student who because of present circumstances and promise of future usefulness shall, in the judgment of the President, be deemed worthy of the same.

LYNN BROOKS Pleasant Gap, Pa.

THE MRS. JENNIE N. RICH SCHOLARSHIP of \$5,000, the gift of her son, John Woods Rich, the interest on which is to be used in aiding worthy and needy students preparing for the Christian ministry or for deaconess or missionary work.

Not awarded.

THE McDOWELL SCHOLARSHIP, founded by Mr. and Mrs. James E. McDowell, of Williamsport, Pa.

The interest on \$500 to be awarded annually by the President and Faculty to that ministerial student of the graduating class who shall excel in scholarship, deportment, and promise of usefulness, and who declares his intention to make the ministry his life work.

ROBERT TREESE Williamsport, Pa.

THE DAVID GROVE AND WIFE SCHOLARSHIP, founded by the late David Grove, of Lewistown, Pa.

The interest on \$2,040 to be given to worthy, needy students studying for the ministry, the holder or holders thereof to be appointed by the said Lycoming College.

FORREST STONGE Port Matilda, Pa.

THE MARY STRONG CLEMENS SCHOLARSHIP FUND of \$2,500 donated by the late Chaplain Joseph Clemens, of Manila, P. I.

The interest to be used as scholarship, or scholarship loan aid, for the benefit of a student or students of Lycoming College who are preparing for the Christian ministry, or for deaconess work, or its equivalent, in the Methodist Church. Beneficiaries may be named by Mrs. Mary Strong Clemens, or in the absence of such recommendation the recipient or recipients shall be named by the President of the school.

Not awarded.

THE BERYL CLINE GLENN SCHOLARSHIP.

The interest on \$1,000.00 to be paid annually to a worthy student in the Music Department. The selection is made by the President and Faculty.

ANN PAULINE FAHRINGER Williamsport, Pa.

THE BISHOP WILLIAM PERRY EVELAND MEMORIAL SCHOLARSHIP, founded by the Alumni of Lycoming College who were students during the administration of Bishop William Perry Eveland and in his honor.

The interest on \$1,050 to be paid annually to a needy, worthy student or students who shall make the most satisfactory progress in scholarship

and give promise of future usefulness and who by loyalty, school spirit, and participation in school activities is considered by the President and Faculty to most fully represent the standards and ideals of Lycoming College.

CHARLES E. PETERSON Jersey Shore, Pa.

THE AMOS JOHNSON SCHOLARSHIP, founded by the late Rev. Amos Johnson, of Philadelphia, Pa.

\$500 to be held and invested by Lycoming College and the income arising therefrom to be used for the education of ministerial students of limited means.

DAVID KEMBERLING South Williamsport, Pa.

THE BENJAMIN C. CONNER SCHOLARSHIP, the interest on \$500 given by Alumni of the college to be awarded to that student securing the highest grade in Junior Mathematics. Recipient must be a full Junior and must not be repeating Junior Mathematics.

HERMAN PALMER Williamsport, Pa.

THE RICH MEMORIAL SCHOLARSHIP FUND of \$5,000, provided in the will of the late Hon. M. B. Rich, the interest of which is to be awarded annually to worthy young men or women who intend to devote their lives to the preaching of the Gospel, the missionary cause, or the work of a deaconess. The beneficiary shall be named by the Faculty with the approval of the Board of Trustees.

DOLORIS GOOD Harrisburg, Pa.

FRED HICKOK Montrose, Pa.

JOHN O'NEIL Philadelphia, Pa.

DAVE REAMS Woodland, Pa.

ROBERT TREESE Williamsport, Pa.

THE C. LUTHER CULLER SCHOLARSHIP, the interest from an endowment of \$5,000 provided in the will of C. Luther Culler, of Williamsport, a graduate of Lycoming College in the Class of 1876. Awarded on scholarship.

EARL GUYER Hughesville, Pa.

THE CLARA KRAMER EATON MEMORIAL SCHOLARSHIP, founded by the late Clara Kramer Eaton, of Trevorton, Pa.

The interest on \$8,000 to be awarded annually to that student in the graduating class at Trevorton High School attaining the highest average in scholarship, for the purpose of defraying the expenses of a year of instruction at Lycoming College.

Not awarded.

THE ELISHA BENSON KLINE SCHOLARSHIP PRIZE IN MATHEMATICS, founded by I. Clinton Kline, Sunbury, Pa., in honor of his elder brother who graduated from the College in 1868.

The interest on \$1,000.00 to be paid to a student or students at the discretion of the President of Lycoming College.

CALVIN PACKARD Williamsport, Pa.

PRIZES

THE RICH PRIZE of \$25.00, given in honor of the late Hon. and Mrs. M. B. Rich, of Woolrich, Pa., to the student in the Freshman Class who shall attain a required rank highest in scholarship and deportment.

CHARLES LITTLE Hughesville, Pa.

THE METZLER PRIZE of \$10.00 for superior work in Junior English, given by the late Rev. Oliver Sterling Metzler, of the Central Pennsylvania Conference.

JEANNETTE CONFER Williamsport, Pa.

THE RICH PRIZES of \$10.00 and \$5.00 each, given in honor of the late Hon. and Mrs. M. B. Rich, of Woolrich, Pa., to be awarded to the two students who at a public contest shall excel in reading the Scriptures.

SHIRLEY WILLIAMS Williamsport, Pa.

JOHN O'NEIL Philadelphia, Pa.

THE RICH PRIZES of \$15.00 and \$10.00 each, given in honor of the late Hon. and Mrs. M. B. Rich, of Woolrich, Pa., to be awarded to the two students who shall excel in writing and delivering an original oration.

JOAN DANEKER Williamsport, Pa.

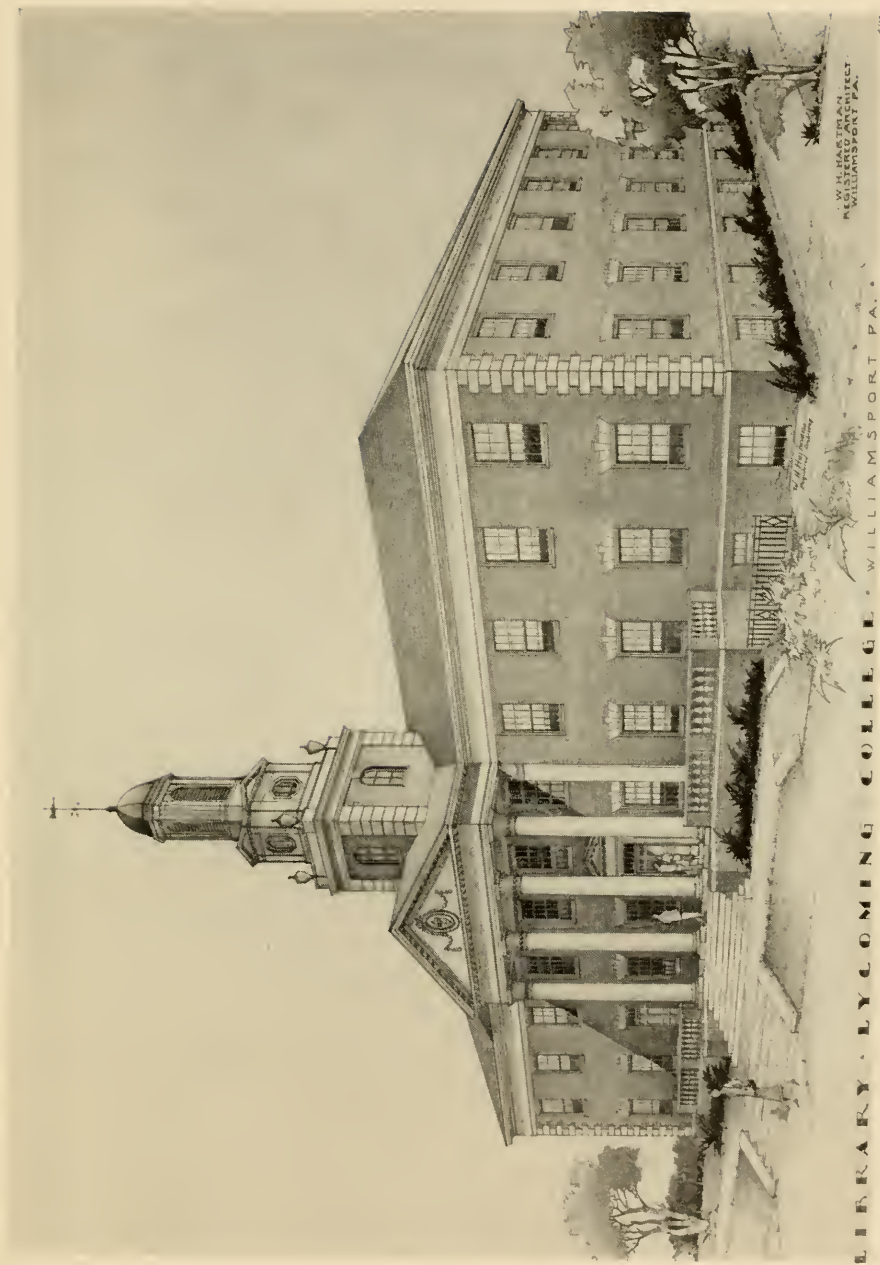
GEORGE KIBBE Williamsport, Pa.

THE ART DIGEST PRIZE, given by the Head of the Art Department, a year's subscription to *The Art Digest*, to that student who has shown the most improvement.

JEAN LONG Williamsport, Pa.

THE C. B. RIDALL PRIZE of \$10.00, given by P. L. Ridall, B.S., M.D., of Williamsport, Pa., of the Class of 1923, in memory of his father and mother, the late Mr. and Mrs. C. B. Ridall, of Berwick, Pa., to be awarded to that student or students who shall be judged to have done the best work in Bible during the year.

SHIRLEY WILLIAMS Williamsport, Pa.



New Library

THE BETA PSI SORORITY PRIZE. A gift of \$5.00 to be awarded to that student who by the charm of her personality and self-sacrificing spirit has made a most outstanding personal contribution to Lycoming.

MARJORIE FERRELL Picture Rocks, Pa.

THE FACULTY PRIZE, awarded to that day student whose scholastic record has been satisfactory and who, in the opinion of the faculty, has been outstanding in the promotion of school spirit through participation in school activities.

JAMES KELLER Williamsport, Pa.

THE 1930 DART PRIZE, the interest on \$300.00 to be given to that student or students in the Art Department according to the recommendation of the Head of the Art Department.

JOAN BENNETT Katonah, N. Y.

ROBERT STEINBERG Bronx, N. Y.

STUDENT LIFE

PROVISION FOR FRESHMEN

The college recognizes the need for giving the freshmen assistance in making desirable adjustments to the college situation. A special program has been prepared for the orientation of freshmen.

All freshmen are required to come to the college one week in advance of the upper-classmen. During this time various tests are given which will aid the college staff in advising the student in his choice of courses. During this period problems of freshmen adjustment are discussed and directions for study, the use of the library, and other instructional aids are given. Provision is also made for recreation and a wholesome social life.

RELIGIOUS TRADITION

Lycoming College is a Methodist educational institution. However, it is non-sectarian. A check of the Board of Directors, the faculty, and the student body indicates membership in fifteen different denominations including Protestant, Catholic, and Jewish. Traditionally, the college attempts to help students of all faiths find the place of religion in their life. Students attend Sunday morning services at churches in the city. Each student is encouraged to be loyal to the church of his choice.

The college aims to stress the development and practice of a Christian philosophy of life. Courses in Religion (optional with non-Protestants) include a systematic study of the Bible, Comparative Religions, and other pertinent fields. Religious emphasis week brings to the college campus outstanding religious leaders. Many of the chapel and assembly programs are religious in nature. The Student Christian Association, membership open to all undergraduates on the campus, meets weekly at Rich Hall. Speakers include

many prominent civic leaders, faculty members, and national figures. This group sponsors many and varied activities which aim to promote fellowship and spiritual life among the faculty and students.

The John Wesley Club is composed of students preparing for the ministry or other forms of religious work. Through regular meetings and deputation teams, they gain valuable training and experience in religious work.

Through the generosity of the late Honorable M. B. Rich, for eighteen years President of the Board of Directors, a Department of Religion has been established at the College. The head of this department is also the college chaplain. He gives a large portion of his time to promoting a helpful religious atmosphere at the institution and in aiding students to solve successfully personal problems which arise while they are on the campus.

CULTURAL INFLUENCES

Lycoming aims to develop in its students an easy familiarity with the best social forms and customs. Young men and women meet in the dining hall, at receptions and other social functions. These contacts, together with frequent talks by instructors, do much to develop poise and social ease. Persons of prominence are brought to the school for talks and lectures, and excellent talent is provided by community organizations which bring outstanding artists to the city.

STUDENT GOVERNMENT

The college aims to develop in each student a sense of loyalty and responsibility to good citizenship. To this end there is established a Student Government representing the entire student body with the purpose of promoting the general welfare of the college and to provide a more perfect understanding between students and administration.

Certain phases of dormitory life are supervised and regulated by a student dormitory government. In this way students are provided the experience of sharing the responsibilities which are the

outgrowth of living closely with each other. The Dean of Women and the Dean of Men exercise an over-all supervisory influence on dormitory life.

It is understood that students entering Lycoming do so with the intention of making an honest effort to do satisfactory work in every respect. When a student is not able to conform to the school program, the parents or guardians are asked to withdraw the student from the school.

STUDENT ACTIVITIES

CAMPUS GROUPS. In addition to the John Wesley Club, Student Christian Association, and the Student Government there are many and varied organizations on the campus which provide students with an interesting and wholesome social life. These are organized and conducted by the students in cooperation with the faculty. Some of these are as follows: The International Relations Club, which is the campus focus for discussion of world affairs; The French Club, The Spanish Club, and The German Club, which supplement class work by aiding students to understand the folklore of the various peoples and to facilitate ease of conversation in the language; The Camera Club, which provides students opportunity for developing a lifelong hobby; The Lycoming College Players which affords opportunity for acting and directing plays; The Ski Club, which brings together a group of enthusiasts for winter sports; The Psychology Club, which schedules lectures, discussions, and movies in this field; the Varsity Club, which is composed of lettermen, promotes college spirit in sports.

COLLEGE PUBLICATIONS. There are three college publications. *The Lycoming Courier* is the official student paper, devoted to local interests of the student body, reporting current campus events. *The Arrow*, the college year book, is published in June and presents a record of student life during the current academic year. The staffs of both publications are composed of students interested in gaining more knowledge and experience in journalism and business practises. *The Alumni Bulletin*, issued six times a year, keeps the alumni posted on current happenings at the college and on alumni activities.

MUSIC. The Music Department offers several organizations for students interested in music. A College Choir, Men's Glee Club, and Women's Glee Club are open to all students desiring to join. The Lycoming Singers, Women's Quartette, Men's Quartette, and an A Cappella Choir are formed of selected voices and represent the college at many events. A String Ensemble gives instrument players an opportunity to enjoy the fellowship of good music together. In addition are the College Band and Symphony Orchestra, which meet several times each week for practice and furnish the college with music for many entertainments, athletic events, and celebrations throughout the year.

FRATERNITIES. Six Greek letter groups on the campus provide a means of bringing to men students the advantages of a fraternal organization. The social life of the college is carefully planned by both administrative and student government to be helpful to the individual student in his social world.

RECREATION AND HEALTH

INTERCOLLEGIATE SPORTS. The college offers an attractive program of intercollegiate athletics. Varsity teams represent the college in competition with other four year institutions in such sports as football, basketball, baseball, swimming, and tennis. Lycoming is a member of the National Association of Intercollegiate Basketball.

RECREATION. An extensive program of intramural athletics affords opportunity for every student not a member of a varsity team to participate in one or more sports. These are run in connection with the required physical education program. Basic instruction in game techniques is given in physical education class, and the intramural program affords opportunity for individual and team competition. Some of these sports are tennis, swimming, basketball, handball, badminton, bowling, volleyball, softball, and table tennis for both women and men; rhythmical activities, field hockey and archery, for women; boxing, touch football, and water polo for men.

In addition to the athletic recreation program, various organizations on the campus, the Lecture Series, the Record Session, motion pictures, and numerous social affairs, offer programs of interest.

STUDENT INSURANCE. By a special group plan, our students are able to secure accident insurance covering medical and hospital expenses for injuries received on the campus. Reimbursement will be made up to \$500.00 for each accident. All students are advised to carry this protection.

PHYSICAL EXAMINATION. A physical examination of all students is required. This examination is conducted by the student's own physician and a report each year made on a standard form supplied by the college. This report is presented on Registration Day to the faculty member who checks the class schedule.

In connection with the physical examination, all entering students must have a chest x-ray. If this cannot be arranged before entering, the Tuberculosis Society will take chest x-rays at a nominal cost. The student bears the expense of the x-ray.

INFIRMARY SERVICE. The infirmary fee, included in the over-all activities fee, covers the following medical service: the college nurse holds infirmary hours each day, except Sunday, that the college dormitories are open; she is also available for first aid treatment and will call to the attention of the college physician any case demanding special treatment.

Such service, however, shall not be interpreted to include x-rays, surgery of more than minor nature, care of major accidents on or off campus, immunization for colds, examination for glasses, doctors' calls, cases of serious chronic disorder, or other extraordinary situations.

Each student is entitled to three days of infirmary service per school year, including routine nursing and ordinary medicines. There will be a charge of \$2.00 per day for each additional day or fraction thereof beyond the allotted days.

Special nursing service and special medicines and prescriptions will be at the expense of the student. Parents will be notified by the College when students are confined to the infirmary with serious illnesses.

RESIDENT STUDENT LIFE

Living quarters are provided on the campus for 140 women and 215 men. Efforts are made each year to keep the dormitories in such repair that they constitute comfortable and attractive homes for the students.

Rooms at Lycoming are furnished as follows: desk, bureau, chair, single bed, mattress, and pillow. Students must supply their own bed linen, blankets, and study lamps.

The students will make their own arrangements for laundry service. A local laundry has a representative on campus for the convenience of all boarding students. It is recommended that the student bring a minimum of six sheets (single bed), three pillow cases, and two double blankets.

DISCIPLINE

The discipline of the College is firm, reasonable, and sympathetic. All students are considered responsible citizens and members of a Christian community. Any student who is antagonistic to the spirit and general purpose, or who fails to abide by the regulations set up by the College, may be asked to withdraw from the College at any time during the school year.

REGULATIONS

The College regulations, in addition to those published here, are furnished each student upon matriculation. Announcements during the year by college authorities may amend or supplement the catalogue regulations and are to be adhered to as such.

Students from a distance are required to reside in the dormitories. Permission for any exception to this rule must be obtained from the administration.

Money and valuables should be placed in the school safe; otherwise the college will not assume responsibility.

No intoxicants or drinking of intoxicants is permitted.

Permission to maintain automobiles on the campus must be obtained from the administration. License numbers must be recorded in the office of the Dean of Men.

No firearms are permitted on the campus.

Dormitory students are expected to vacate their rooms during the vacation periods.

CURRICULUM INFORMATION

APPLICATION PROCEDURE

Complete application forms for admission to Lycoming may be obtained from the Director of Admissions. Included with these are directions for making applications.

A registration fee of \$10.00 is required with each application. This fee is not refunded except to veterans of World War II entered under Public Law 346 or 16. It is returned to them at the time of the second payment period.

Applicants who are accepted will receive a statement evaluating their high school credits and granting proper classification. Those rejected will be notified.

REQUIREMENTS FOR ADMISSION

A candidate for admission must be of good moral character and show evidence of ability and preparation to pursue the program of his choice at Lycoming. The usual evidence of preparation is a certificate showing satisfactory completion of 15 units of high school work or its equivalent as follows:

	English	History	Math	Science	Elec.
A.B. Degree	3 (4 yrs.)	1	2	1	8
*B.S. Degree	3 (4 yrs.)	1	2	1	8
Med. Sec.	3 (4 yrs.)	1	2	1	8
Lab. Tech.	3 (4 yrs.)	1	2	1	8
Sec. Science	3 (4 yrs.)	1	0	0	11
Art	3 (4 yrs.)	1	0	0	11
**Music	3 (4 yrs.)	1	0	0	11

* Business Administration requires 1 unit of mathematics and 9 elective units.

** A letter of recommendation from the applicant's private teacher and/or High School Music Supervisor should accompany the application.

Applicants ranking in the upper three-fifths of their high school class or presenting a certificate showing all grades of college certificate value may be admitted without examination.

Candidates for entrance who do not meet the above requirements for admission may be accepted upon making a satisfactory score on an aptitude test.

TERMINAL EDUCATION

In addition to programs leading to the Baccalaureate Degree, Lycoming offers certain two-year terminal courses in Art, Music, Medical Secretarial, and Secretarial Science. Upon satisfactory completion of these courses a certificate is awarded at the graduation exercises.

GUIDANCE

An advantage of a small college is the rich experience gained by students and faculty knowing each other. In addition to this valuable personal relationship, which affords students the opportunity to discuss various problems with their instructors, Lycoming is proud to announce that a well-rounded guidance program is available to its students. Under the direction of the Dean of the College, this program includes areas as represented by the College Pastor, the Dean of Men, the Dean of Women, and the Guidance Director with his group of faculty advisers. The program begins with a personal interview between the Director of Admissions and the candidate for admission. These interviews are sufficient in length to obtain a picture of the student, his background, and his plans for the future. When the student enters the College as a Freshman, he is given the opportunity to take aptitude and psychological examinations. On the basis of preparatory or high school records, aptitude and psychological examination scores, and various interviews, an evaluation of the student can be formed.

Additional information is obtained as the student progresses through his college life. His welfare is the sole purpose of the

guidance program, which stands ready to help him make an intelligent decision regarding his vocational choice and solve important personal problems.

SUPERVISION FOR STUDENT PASTORS

In cooperation with the Department of Town and Country Work of the General Board of Home Mission and Church Extension and with the Town and Country Commission of the Central Pennsylvania Conference of the Methodist Church, a Director of Rural Training was appointed June 1, 1950. The Director, Assistant Professor of Sociology, will teach courses in rural sociology, conduct a weekly seminar for student pastors, supervise accepted student supply pastors of the Conference in the work of their parishes, be available for counseling ministerial students, and assist in other rural church work. Projects such as student deputation teams, demonstration parishes, church and community surveys, and workshops will give students practical experience and professional guidance in their choice of and preparation for their vocation. Through such projects students will represent the College and will make a contribution to the church and community of town and country areas.

PLACEMENT SERVICE

A placement service for the students and alumni of the college was begun in September, 1948.

The service is designed to aid the graduate in obtaining positions which make use of college training.

The placement office has made many valuable contacts with employers throughout the United States. Locally, the service has been well accepted.

The service is designed as the final step in the total college guidance program. The office acts as the intermediary between employer and graduate in all fields of college activity.

PROVISION FOR VETERANS

Lycoming is fully approved for the educational program for Veterans under Federal Public Laws 346 and 16.

ADVANCED STANDING

A student may be admitted to Lycoming with advanced standing provided he has earned satisfactory credit at an approved college. Application for advanced standing must be supported by an honorable dismissal and an official transcript of the college previously attended. A student admitted with advance standing must satisfy graduation requirements to be awarded a degree.

Some academic credit may be allowed for training courses and educational experiences in the armed services according to the general pattern recommended by *A Guide to the Evaluation of Educational Experiences in the Armed Services*, issued by the American Council on Education, provided such courses or experiences are appropriately related to a college of liberal arts.

CLASSIFICATION OF STUDENTS

Freshman: See requirements for admission.

Sophomore: Not fewer than 24 semester hours and 21 quality points.

Junior: Not fewer than 54 semester hours and 48 quality points.

Senior: Not fewer than 86 semester hours and 90 quality points, and a reasonable chance of completing all requirements for graduation.

Unclassified: Students who do not wish to enter upon a regular course of study may pursue studies offered for which their previous training, in the opinion of the College, fits them. Only a limited number of unclassified students are accepted. Such students are not admitted to candidacy for a degree.

GRADING SYSTEM

A credit hour is defined as one hour of classroom work, or the equivalent, each week during a full term of sixteen weeks. Ordinarily two hours of laboratory work are rated as one credit hour.

The letter system of grading with the corresponding quality points is used. "A" indicates work of the highest excellence, showing a superior grasp of the content, as well as independent and creative thinking in the subject, and represents a numerical grade

between 90 and 100. "B" signifies better than average achievement wherein the student reveals insight and ability, and represents a numerical grade between 80 and 89. "C" is given for satisfactory achievement on the college level when work in the course has been conscientious and has shown no considerable deficiency in either quality or quantity, and represents a numerical grade between 70 and 79. "D" indicates that work in the course has met the minimum essentials, and represents a numerical grade of 60 to 69. "F" is failure, and represents numerical grades below 60. Work in the course must be repeated satisfactorily before any credit can be obtained.

Scholastic rank is determined on the quality point system where "A" counts 3 quality points per credit hour, "B" counts 2 points per hour, "C" counts 1 point per hour, "D" carries no point value, and "F" counts —1 point per hour.

NORMAL STUDENT LOAD

The normal load per semester for students is from twelve to fifteen hours of academic work, one hour of physical education, and one-half hour of assembly and chapel.

OVER LOAD

Students who wish to carry in excess of the normal load are charged \$12.50 per credit hour. A schedule of more than seventeen hours of academic work may be taken if the student has an average of 2.0 for all previous work and obtains written permission from the Dean of the College.

PROBATION

Students whose grade-point average falls between .00 and .5 are placed on probation. Students on probation must maintain an average of 1.0 in fifteen hours with fifteen quality points for a semester, to be removed from probation.

DISMISSAL

Freshmen who fail to maintain an average of at least .00 the first semester will be asked to withdraw from the College. The

College also reserves the right to deny admission to any applicant or to dismiss any student at any time if the administration considers such action to be for the best interests of the student or the College. Students dismissed for academic reasons may request reinstatement after one semester.

ATTENDANCE

The program at Lycoming is built on the assumption that there is value in class and assembly and chapel attendance for all students. Therefore, all students are expected to attend all classes and a specified number of assembly and chapel exercises.

Specific regulations as to permissible absences and penalties for excessive absences are announced from time to time. Responsibility for learning and complying with these regulations rests with the student.

GRADUATION

The College offers courses of study leading to the degrees of Bachelor of Arts and Bachelor of Science. For either degree the minimum requirement is the completion of 120 academic hours plus one hour credit of physical education and one half hour credit of assembly and chapel for each fall and spring semester that the candidate is in attendance at Lycoming College. In addition the candidate must possess at least 120 academic quality points (physical education and assembly and chapel carry no quality points) on the basis of: A—3 points per credit hour; B—2 points per credit hour; C—1 point per credit hour; D—0 points per credit hour. The work of the final year is to be taken at this college.

BACHELOR OF ARTS. A candidate for this degree selects graduation requirements from the three general divisions as follows:

DIVISION I: HUMANITIES

English Composition	6 hours
Literature	6 hours
Foreign Language	6 or 12 hours
Philosophy and Religion	6 hours
Appreciation of Art	3 hours
Appreciation of Music	3 hours
Chapel and Assembly	hours*

DIVISION II: SOCIAL SCIENCE

European History	6 hours
American History	6 hours
Psychology	3 hours
Political Science	3 hours

DIVISION III: SCIENCES

Physical Sciences and	3 hours
Biological Sciences, or	3 hours
A Laboratory Science	8 hours
Mathematics	3 hours**
Physical Education	hours*

* One hour credit of physical education and one half hour credit of assembly and chapel for each fall and spring semester that the candidate is in attendance at Lycoming College.

**Required only of those who do not offer 1 unit of geometry in satisfying the entrance requirement.

The candidate for the Bachelor of Arts degree chooses a major of at least 24 credit hours from one of the following fields: Biology, Chemistry, English, History, Language, Mathematics, Science, and Social Science. (Fields of concentration in Social Science may be selected in Economics, History, Sociology, Political Science, and Psychology.)

a. The major in Science consists of (1) first level courses in Chemistry (101-102), Mathematics (101-102), and Physics (101-102), and (2) two years beyond the first level courses in either Mathematics or Physics.

b. The major in Social Science consists of (1) 18 hours in one field of concentration (beyond the 100 level in the case of History), and (2) 18 hours in at least three of the related Social Science fields.

BACHELOR OF SCIENCE. A candidate for this degree selects graduation requirements from four divisions as follows:

DIVISION I: HUMANITIES

English Composition	6 hours
Literature	6 hours
Philosophy and Religion	6 hours
Appreciation of Art	3 hours
Appreciation of Music	3 hours
Chapel and Assembly	hours*

DIVISION II: SOCIAL SCIENCE

European or American History	6 hours
Psychology	3 hours
Political Science	6 hours
Sociology	3 hours

DIVISION III: SCIENCES

Physical Science and Biological Science	6 hours
Physical Education	hours*

DIVISION IV: BUSINESS ADMINISTRATION AND ECONOMICS

Accounting Principles	6 hours
Principles of Business	3 hours
American Economic History	3 hours
Business Mathematics and Statistics	6 hours
Business Law	8 hours
Economic Principles and Problems	6 hours
Economic Geography	6 hours

* One hour credit of physical education and one half hour credit of assembly and chapel for each fall and spring semester that the candidate is in attendance at Lycoming College.

The candidate for the Bachelor of Science degree may select a major of at least 24 hours from one of the following fields: Accounting, Banking and Finance, Economics, Executive Secretarial, Retail Distribution, General Business Administration.



Rich Hall

SPECIAL PROGRAMS FOR STUDY

Lycoming is anxious to aid her students to prepare for living a normal, well-adjusted life, as well as to prepare them for a variety of careers. The growing belief in professional schools that the best preliminary training is a broad cultural education has added new emphasis to the type of program now offered by Lycoming. This program offers a general education, conceded as necessary to a well-rounded individual living in today's ever smaller world, and yet is equipped to add more specialized courses so that a student looking forward to a particular career may specialize in the field of his vocational interest.

Choosing one's life work is an important and serious matter. In this selection, Lycoming, as a liberal arts college, plays an important role. While some students enter college with a well-defined aim, many others are far from settled in their minds as to their own particular vocation. The first two years of a liberal arts course give the student glimpses into many fields and thus by the beginning of his third or Junior year, the student with this background and with the advice of the faculty, usually is well prepared to indicate his field of specialization.

The following pages contain some of the programs offered at Lycoming. Others are available upon sufficient demand. It is recommended, therefore, that the student discuss his proposed plan with the Director of Admissions, or, if a returning student, with his adviser.

SUGGESTED CURRICULUM FOR A.B. DEGREE

FRESHMAN YEAR		SOPHOMORE YEAR	
English 101-102	6 hours	English 201-202 or 203-204	6 hours
History 101-102	6 hours	History 201-202	6 hours
Religion 102	3 hours	Political Science	3 hours
Psychology 101	3 hours	Philosophy 207	3 hours
Physical Education	2 hours	Physical Education	2 hours
Electives	12 hours	Electives	12 hours
<hr/>		<hr/>	
32 hours		32 hours	

JUNIOR AND SENIOR YEARS

Students select prescribed courses and electives to complete degree requirements as outlined in the previous section under GRADUATION.

BUSINESS ADMINISTRATION

The Business Administration Course contains highly practical courses in the field of Business and Economics. In addition, the elements of a broad, cultural background valuable in preparation for positions of an administrative and executive nature, are retained. A suggested program is listed below:

STANDARD CURRICULUM FOR THE B.S. DEGREE IN ECONOMICS AND BUSINESS ADMINISTRATION

FRESHMAN

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
English 101	3	English 102	3
Religion 102 or Psych. 101	3	Religion 102 or Psych. 101	3
Accounting 101	3	Accounting 102	3
Prin. of Bus. 103	3	Am. Ec. History 104	3
Bus. Math. 110	3	Bus. Statistics 111	3
Phys. Ed.	1	Phys. Ed.	1
	<hr/> 16		<hr/> 16

SOPHOMORE

English 201 or 203	3	English 202 or 204	3
Princ. of Econ. 201	3	Econ. Problems 202	3
Ec. Geography 301	3	Ec. Geography 302	3
History	3	History	3
Elective or Soc. 209	3	*Elective or Soc. 209	3
Phys. Ed.	1	Phys. Ed.	1
	<hr/> 16		<hr/> 16

JUNIOR

Political Sc. 201	3	Political Sc. 202	3
Science 101	3	Science 102	3
Business Law 302	4	Business Law 303	4
Electives	6	Electives	6
Phys. Ed.	1	Phys. Ed.	1
	<hr/> 17		<hr/> 17

SENIOR

Philos. or Elective	3	Philos. or Elective	3
Music Apprec. 301	3	Art Apprec. 301	3
Electives	9	Electives	9
Phys. Ed.	1	Phys. Ed.	1
	<hr/> 16		<hr/> 16

* Majors in Retail Distribution elect Speech 101.

SUGGESTED SCHEDULE
MAJORS IN BUSINESS ADMINISTRATION
EXECUTIVE SECRETARIAL SCIENCE

FRESHMAN YEAR

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
English 101	3	English 102	3
Religion 102 or Psychology 101 ..	3	Psychology 101 or Religion 102 ..	3
Accounting 101	3	Accounting 102	3
Principles of Business 103	3	American Ec. History 104	3
Business Mathematics 110	3	Business Statistics 111	3
Physical Education	1	Physical Education	1
	<hr/> 16		<hr/> 16

SOPHOMORE YEAR

English 201 or 203	3	English 202 or 204	3
Principles of Economics 201	3	Economic Problems 202	3
Economic Geography 301	3	Economic Geography 302	3
History	3	History	3
Shorthand 105	2	Shorthand 106	2
Typing 107	2	Typing 108	2
Physical Education	1	Physical Education	1
	<hr/> 17		<hr/> 17

JUNIOR YEAR

Political Science 201	3	Political Science 202	3
Science 101	3	Science 102	3
Business Law 302	4	Business Law 303	4
Shorthand 231	2	Shorthand 232	2
Typing 235	2	Typing 236	2
*Business Correspondence 205	3	*Business Machines 223	3
Physical Education	1	Physical Education	1
	<hr/> 18		<hr/> 18

SENIOR YEAR

Philosophy	3	Sociology 209 (Elect)	3
Music Appreciation 301	3	Art Appreciation 301	3
*Shorthand 331	3	*Shorthand 332	3
*Typing 335	3	*Typing 336	3
*Office Practice 421	3	*Office Practice 422	3
Physical Education	1	Physical Education	1
	<hr/> 16		<hr/> 16

* Subjects required for a major in Executive Secretarial Science.

Majors will be granted in the fields of Accounting, Banking and Finance, Retail Distribution, and Economics upon the completion of 24 hours in elective courses listed below. For those persons not desiring any particular major 24 hours must be elected in the field of Economics and/or Business Administration.

1. *Majors in Accounting—24 hours*

Sophomore year—elect Accounting 215 and 216.

Junior year—elect Accounting 311, 312, and 313.

Senior year—elect Accounting 423, 424, and 425.

2. *Majors in Banking and Finance—24 hours*

Sophomore year—elect Money and Banking 206 and 207.

Junior year—elect Credits and Collections 304, Organization and Finance Management 307, and Real Estate 401.

Senior year—elect Investment 308, Public Finance 405, and Bank Policies and Administration 406.

3. *Majors in Retail Distribution—24 hours*

Junior year—elect Principles of Retailing I and II 341-342, Retail Advertising and Sales Promotion 345, Retail Salesmanship 346.

Senior year—elect Retail Buying and Merchandising 441, Retail Personnel Management 443, Retail Problems I and II 445-446.

4. *Majors in Economics—24 hours*

Junior year—elect Labor Problems 305, Labor Legislation 306, Consumer Economics 304, and Transportation 402.

Senior year—elect History of Economic Thought 403, Advanced Economics 404, Public Finance 405, Principle of Public Utilities 406.

5. *Majors in Executive Secretarial Science—24 hours*

Junior year—elect Business Correspondence 205, Advanced Shorthand 331-332, Advanced Typing 335-336.

Senior year—elect Office Machines 223, Office Practice 421-422.

LABORATORY TECHNOLOGY

It is the aim of this course to supply an academic background of the basic science courses and then a year of practical work in the field. The first two years may serve as a terminal course, while the complete course leads to the B.S. degree and greater professional opportunities in the medical and hospital laboratories.

CURRICULUM FOR THE B.S. DEGREE IN LABORATORY TECHNOLOGY

FRESHMAN YEAR		
<i>Course</i>	<i>1st Semester</i>	<i>2nd Semester</i>
English 101-102	3	3
Chemistry 101-102	5	5
Biology 101-102	4	4
History 101-102	3	3
Physical Education	1	1
	<hr/> 16	<hr/> 16

SOPHOMORE YEAR		
Chemistry 205 (Quant.) or		4
Chemistry 301 (Organic)	4	
Biology 401		
Biology 103 (Micro) Bio. 202 (Anatomy)	4	4
Biology 301 (Phys.) 302	4	4
Art 301	3	
Music 301		3
Physical Education	1	1
	<hr/> 16	<hr/> 16

JUNIOR YEAR

The junior year will consist of an internship of a full calendar year at a hospital accredited in the Registry of Medical Technologists of the American Society of Clinical Pathologists. The College will not give credit for the year unless it is informed that the student has successfully passed the examinations given by The Registry of Medical Technologists of the American Society of Clinical Pathologists. The College, therefore, will not charge any tuition for the work of the junior year.

SENIOR YEAR		
English 201-202 or	3	3
English 203-204		
Psychology 201	3	
Sociology 101		3
Philosophy 207		3
Religion 102	3	
History 201-202	3	3
Political Science	3	3
Physical Education	1	1
	<hr/> 16	<hr/> 16

CHURCH WORK

The course is organized to insure a depth and breadth of general cultural education, the essentials of religious education, and a major in a field of desired specialization. The program is flexible enough to allow a student to seek training for a definite position in a specific church if desired. A suggested program is listed:

Curriculum Leading to the Degree of Bachelor of Science in Church Work

<i>First Year</i>	<i>Hrs.</i>	<i>Second Year</i>	<i>Hrs.</i>
English 101-102	6	Business 105-106	4
Religion 101-102	6	Business 107-108	4
Science 101-102	6	Philosophy 207	3
Sociology 101	3	Psychology 201	3
Speech 101-102	6	Religion 103	3
Electives	3	Electives	13
Physical Education	2	Physical Education	2
	32		32
<i>Third Year</i>	<i>Hrs.</i>	<i>Fourth Year</i>	<i>Hrs.</i>
Music 301	3	History 203-204	6
Art 301	3	Training Experience	6
Introduction to Religious Ed.	6	Philosophy 303	3
Psychology 308	3	Electives	15
Electives	15	Physical Education	2
Physical Education	2		32
	32		

Majors will be granted in Religious Training and Music, Religious Training and Secretarial Science, and Religious Training and Social Science.

PRE-MINISTERIAL

In a statement on pre-seminary studies issued by the American Association of Theological Schools, it is suggested that a student acquire a total of 90 semester hours in the areas listed below. A major in English, history, or the social sciences is recommended. Since some theological schools require certain specified courses for admission, students are advised to consult the catalogue of the school they are considering for their theological training.

English (Composition, Literature, Speech)	12-18 sem. hrs.
Philosophy (Introduction, History of Philosophy, Ethics, Logic)	6-12 sem. hrs.
Bible and Religion	3- 6 sem. hrs.
History	6-12 sem. hrs.
Psychology	3 sem. hrs.
Foreign Language (Greek, French, German)	12-15 sem. hrs.
Natural Sciences (Physical or Biological)	4 sem. hrs.
Social Sciences (Sociology, Political Science, Social Psychology)	3- 6 sem. hrs.

PRE-MEDICINE

The modern physician or surgeon is no longer one who has studied merely medicine. He is a man with a broad cultural training, capable of treating more than physical ailments. Therefore, medical authorities are recommending a full four years of a liberal arts program, and requiring certain specific subjects in preparation for medical school. A suggested program is listed below:

THE FOUR-YEAR COURSE

FRESHMAN YEAR		Hrs.	SOPHOMORE YEAR		Hrs.
English 101-102	6		English 201-202 or 203-204	6	
Religion 102	3		Chemistry 202-203	8	
Chemistry 101-102	10		Biology 101-102	8	
Mathematics 101-102	6		History 101-102	6	
Foreign Language	6		Foreign Language or		
Physical Education	2		Sociology 101-102	6	
			Physical Education	2	
		<hr/>			<hr/>
		33			36
JUNIOR YEAR		Hrs.	SENIOR YEAR		Hrs.
Chemistry 301-302	8		Physics 101-102 (Gen.)	10	
Biology 201-202	6		Biology 401	4	
Political Science 201	3		Biology 302	4	
Psychology 201	3		Philosophy	3	
History 201-202	6		Economics 201	3	
Appreciation of Music 301	3		Appreciation of Art 301	3	
Sociology 201	3		Elective	3	
Physical Education	2		Physical Education	2	
		<hr/>			<hr/>
		34			32

PRE-DENTISTRY

The American Council on Dental Education has fixed a minimum of two full years of college work as a requirement for entrance to dental schools. However, a four-year course is recommended and the trend toward this has been very rapid following World War II. A suggested program is listed below:

FRESHMAN YEAR		Hrs.	SOPHOMORE YEAR		Hrs.
English 101-102	6		English 201-202 or 203-204	6	
Religion 102	3		Chemistry 202-203	8	
Chemistry 101-102	10		Biology 101-102	8	
Mathematics	6		History 201-202	6	
Foreign Language	6		Foreign Language or Elective	6	
Physical Education	2		Physical Education	2	
		<hr/>			<hr/>
		33			36
JUNIOR YEAR		Hrs.	SENIOR YEAR		Hrs.
Chemistry 301-302	8		Physics 101-102	10	
Biology 201-202	8		Appreciation of Art 301	3	
Psychology 201	3		Philosophy 301	3	
Appreciation of Music 301	3		Biology 301	4	
Political Science 201	3		Economics 201	3	
History 101-102	6		Electives	6	
Physical Education	2		Physical Education	2	
		<hr/>			<hr/>
		33			31

PRE-LAW

Many law schools are at present requiring the Bachelor of Arts degree for admission. Training in law is not only basic to the practice of law but also makes possible many other forms of public service. A suggested program is listed below:

FRESHMAN YEAR		Hrs.	SOPHOMORE YEAR		Hrs.
English 101-102	6		English 201-202 or 203-204	6	
Science 101-102	6		History 201-202	6	
History 101-102	6		Psychology 201 or Speech 101	3	
Foreign Language	6		Philosophy	3	
Speech 101 or Psychology 101	3		Foreign Language or		
Religion 102	3		Sociology 101-102	6	
Physical Education	2		Political Science 201-202	6	
			Physical Education	2	
		<hr/>			<hr/>
		32			32
JUNIOR YEAR		Hrs.	SENIOR YEAR		Hrs.
History 301-302	6		History	6	
Economics 201-202	6		Economics	3	
Sociology 201-202	6		Appreciation of Art 301	3	
Political Science 301-302	6		Political Science 303-304	6	
Appreciation of Music 301	3		Electives	12	
Elective	3		Physical Education	2	
Physical Education	2				
		<hr/>			<hr/>
		32			32

PRE-ENGINEERING

This course is designed to give the student basic pre-professional courses in the field of engineering. The course recommended below is for all engineering students except chemical engineers. Chemical engineers will consult with the Director of Admissions or the Dean.

TWO-YEAR COURSE

FRESHMAN YEAR		Hrs.	SOPHOMORE YEAR		Hrs.
English 101-102	6		Physics 102	5	
Chemistry 11-12	6		Physics 201	3	
Physics 101	5		Mathematics 202-301	8	
Mathematics 108-201	9		Economics 201	3	
Drawing 101-103	6		Speech	3	
Religion 102	3		English 201 or 203	3	
Physical Education	2		History 202	3	
			Elective	3	
			Physical Education	2	
		<hr/>			<hr/>
		37			33

SECRETARIAL SCIENCE

Lycoming offers a two-year course in Secretarial Science. This course provides students with the opportunity to develop office skills required for secretarial work.

TWO-YEAR COURSE

FRESHMAN YEAR

FIRST SEMESTER	<i>Hrs.</i>	SECOND SEMESTER	<i>Hrs.</i>
English 101	3	English 102	3
Shorthand 105	2	Shorthand 106	2
Typing 107	2	Typing 108	2
Business Computations 114	3	Business Computations 115	3
Economics 201	3	Economics 202	3
Religion 102	3	Bookkeeping 116	3
Physical Education	1	Physical Education	1
	<hr/> 17		<hr/> 17

SOPHOMORE YEAR

FIRST SEMESTER	<i>Hrs.</i>	SECOND SEMESTER	<i>Hrs.</i>
Business Correspondence 205	3	Office Practice 222	3
Shorthand 231	2	Shorthand 232	2
Typing 235	2	Typing 236	2
Business Law 302	4	Business Law 303	4
Office Machines 223	3	Elective	3
Physical Education	1	Physical Education	1
	<hr/> 15		<hr/> 15

MEDICAL SECRETARIAL

The Medical Secretarial Course offers students a basic science background in addition to secretarial skills. This course is especially desirable for those preparing for Medical or Dental Secretarial positions.

TWO-YEAR COURSE

FRESHMAN YEAR

FIRST SEMESTER	<i>Hrs.</i>	SECOND SEMESTER	<i>Hrs.</i>
English 101	3	English 102	3
Biology 101	4	Biology 102	4
Shorthand 105	2	Shorthand 106	2
Typing 107	2	Typing 108	2
Chemistry 104	4	Biology 104	3
Physical Education	1	Physical Education	1
	<hr/> 16		<hr/> 15

SOPHOMORE YEAR

FIRST SEMESTER		SECOND SEMESTER	
	<i>Hrs.</i>		<i>Hrs.</i>
Religion	3	Bookkeeping 116	3
Business 203	3	Business 204	3
Psychology 201	3	Sociology 201	3
Shorthand 214 (Medical)	2	Shorthand 232 (Regular)	2
Typing 235	2	Typing 236	2
Business Correspondence 205	3	Office Practice 222	3
Physical Education	1	Physical Education	1
	17		17

ART

The art course is designed primarily to give the best possible foundation for further study in any of the specialized fields of art; to give thorough training in artistic creation; and to guide in developing the power of discrimination in general aesthetic appreciation.

For a certificate of achievement a minimum of thirty hours in art subjects is required plus a sufficient number of academic hours to make a total of 60.

The department reserves the right to retain representative examples of student work for purposes of exhibition. This is an acknowledgment of superior ability and assists the department in maintaining a high standard in its classes.

SUGGESTED TWO-YEAR COURSE

(Leading toward work in Commercial Art)

FRESHMAN YEAR		SOPHOMORE YEAR	
	<i>Hrs.</i>		<i>Hrs.</i>
Art 105-106. Design	6	Art 205-206. Design	6
Art 109-110. Sketch	2	Art 209-210. Sketch	2
Art 121-122. Commercial	4	Art 221-222. Commercial	4
Art 125. Costume Illus.	2	Art 227-228. Painting	4
Art 127-128. Painting	4	Art 107. Still Life	2
English Composition 101-102	6	Art 301. Appreciation	3
History 101-102 or		Religion 102	3
Academic Electives	6	Academic Electives	6
Physical Education	2	Physical Education	2
	32		32

SUGGESTED TWO-YEAR COURSE

(Leading toward work in the Fine Arts)

FRESHMAN YEAR		SOPHOMORE YEAR	
	<i>Hrs.</i>		<i>Hrs.</i>
Art 105-106. Design	6	Art 205-206. Design	6
Art 107-108. Still Life	4	Art 207-208. Still Life	4
Art 109-110. Sketch	2	Art 209-210. Sketch	2
Art 127-128. Painting	6	Art 227-228. Painting	6
English Composition 101-102	6	Religion 102	3
History 101-102 or Academic El.	6	Academic Elective	6
Physical Education	2	Art Appreciation 301	3
		Physical Education	2
	—		—
	32		32

MUSIC

The Music Course is a two-year course open to those who are regularly enrolled at Lycoming College. Other students attending Lycoming who are not registered in the Music Course may enroll for music courses with the consent of the Dean of the College and the Department Chairman. It is possible to obtain credit toward degrees granted by the College for certain of these courses taken as electives. Permission to do this, however, must be obtained from the Dean of the College in writing and filed with the Registrar.

Musical excellence in both the fields of fine technical musicianship and artistic performance is sought in every branch of musical work at Lycoming. Special attention is called to the advantages of the thorough-going fundamental training afforded students who desire to matriculate in a regular professional school of music. Class and public recitals are held frequently to afford students the opportunity to achieve poise in performance. Instrumental and vocal ensemble work hold an important place in the curriculum, and are therefore required. Class sessions and private lessons are taught in conformity to the college calendar, and absences are dealt with in accordance with the college policy.

TWO YEAR COURSE

FRESHMAN YEAR		SOPHOMORE YEAR	
	<i>Hrs.</i>		<i>Hrs.</i>
Music 101-102—Sight Singing	4	Music 201—Sight Singing	2
Music 103-104—Dictation	4	Music 203—Dictation	2
Music 105-106—Harmony	6	Music 205-206—Harmony	6
Music 107-108—Applied Music	3	Music 207-208—Applied Music ..	3
Music 109-110—Ensemble	1	Music 209-210—Ensemble	1
English 101-102—Composition	6	English 201-202—Literature	6
Religion 102	3	Social Studies—Elective	3
Academic Elective	6	Music 211-212—History of	
(French or German for		Music	6
Voice Majors).		Music 213—Stringed Instru-	
Physical Education	2	ment Class	1
		or	
		Music 217—Vocal Methods	
		Class	1
		or	
		Music 215—Piano Sight Playing	1
		Physical Education	2
	—		—
	35		32

COURSES OF INSTRUCTION

The courses of instruction are arranged in four divisions as shown below:

DIVISIONS

GROUP I. HUMANITIES.

Art, English, French, German, Greek, Music Philosophy, Religion, Spanish, Speech.

GROUP II. SOCIAL SCIENCE.

Economics, History, Political Science, Psychology, Sociology.

GROUP III. SCIENCE.

Biology, Chemistry, Drawing, Mathematics, Physical Education, Physics, Science.

GROUP IV. BUSINESS ADMINISTRATION.

Business Administration, Economics, Secretarial Science.

In a detailed description of the courses that follow, the courses of instruction are listed alphabetically by subject matter for the convenience of the reader.

Courses numbered in the one hundreds are commonly first year subjects; those in the two hundreds are second year subjects; the three hundreds are third year or Junior subjects; and the four hundreds are fourth year or Senior subjects.

The College reserves the right to withdraw any course for which there are fewer than ten students enrolled.

ART

105-106. DESIGN I. Deals with organization of line, form, and tone to produce two-dimensional and three-dimensional design in which volume and space as well as flat patterns are accounted fundamentals. Six class periods per week.

Three hours credit per semester.

107-108. STILL LIFE I. Study of form and color. Invaluable training for advanced work in painting. Four class periods per week.

Two hours credit per semester.

109-110. SKETCH I. Devoted to acquainting the student with a variety of techniques and materials. Two class periods per week.

One hour credit per semester.

121-122. COMMERCIAL ART I. Study of letter forms and practice in the execution of freehand pen and brush letters. Study of good spacing and layout in advertising technique. Four class periods per week.

Two hours credit per semester.

125. COSTUME ILLUSTRATION. Study of the costumed figure and rendering of fabrics and textures as applied to commercial illustration. Four class periods per week.

Two hours credit.

127-128. PAINTING I. Devoted to oil and watercolor. Painting problems in landscape, still life and figure. Two, four, or six class periods per week.

One, two, or three hours credit per semester.

205-206. DESIGN II. Advanced design, with emphasis on practical application such as textiles, posters, etc. Six class periods per week.

Prerequisite, Art 105-106.

Three hours credit per semester.

207-208. STILL LIFE II. Continuation of Still Life I. Four class periods per week.

Prerequisite, Art 107-108.

Two hours credit per semester.

209-210. SKETCH II. Continuation of Sketch I. Two class periods per week.

Prerequisite, Art 109-110.

One hour credit per semester.

221-222. COMMERCIAL ART II. Continuation of Commercial Art I. Four class periods per week.

Prerequisite, Art 121-122.

Two hours credit per semester.

227-228. PAINTING II. Continuation of Painting I. Two, four, or six class periods per week.

Prerequisite, Art 127-128.

One, two, or three hours credit per semester.

301. HISTORY AND APPRECIATION OF ART. Devoted to acquainting the student with art history, philosophy, and methods. Emphasis on the appreciation of great works of art. Three hours lecture per week.

Three hours credit.

BIOLOGY

24 hours of biology are required for a major in this field.

18 hours are required for a minor.

101-102. GENERAL BIOLOGY. An introduction to the principles of biology, including the function of protoplasm and the cell. A systematic consideration of characteristic types of plants and animals, which is fundamentally a beginner's course in general biology; one semester of botany (101) and one semester of zoology (102). Two hours lecture and recitation and two two-hour laboratory periods per week each semester.

Four hours of credit per semester.

103. MICROBIOLOGY. This course emphasizes the study of microorganisms that affect mankind, especially those that cause diseases. Laboratory exercises deal with elementary bacteriological techniques and plant and animal parasites. Three hours lecture and recitation and one two-hour laboratory period per week.

Four hours credit.

104. ANATOMY AND PHYSIOLOGY. A basic knowledge of the skeletal, circulatory, digestive, nervous, and excretory systems of the human body. Designed for Medical Secretarial students.

Prerequisite, Biology 101.

Three hours credit.

107-108. BOTANY. Includes study of plant structure, function, and classification. Two hours lecture and two hours laboratory a week.

Three hours credit per semester.

201-202. COMPARATIVE VERTEBRATE ANATOMY. Deals with dissections of representative vertebrates, including the cat. Two hours lecture and recitation and two two-hour laboratory periods a week.

Prerequisite, Biology 101-102.

Four hours credit per semester.

301. PHYSIOLOGY. A study of the physiological processes of the human body. Two hours lecture and two two-hour laboratory periods per week.

Prerequisite, Biology 201-202.

Four hours credit.

302. VERTEBRATE EMBRYOLOGY. The study of the development of an amphibian, the chick, and a mammal, from fertilization of the egg to fully formed embryo. Two hours lecture and two two-hour laboratory periods per week.

Prerequisite, Biology 101-102.

Four hours credit.

401. HISTOLOGY. The study of cells and tissues of the human body. Two hours lecture and two two-hour laboratory periods per week.

Prerequisite, Biology 201-202.

Four hours credit.

402. GENETICS. A study of the principles of inheritance and their application to human biology and to the improvement of plants and animals.

Prerequisite, Biology 101-102.

Three hours credit.

BUSINESS ADMINISTRATION

101-102. ACCOUNTING. Assumes no knowledge of the subjects of bookkeeping or accounting on the part of the student. The course introduces the theory of balance sheets, problems of classification and interpretation of accounts; preparation of financial statements and accounting for single proprietorship, partnership and corporation. Manufacturing accounts are also presented. Two hours lecture and recitation and one two-hour laboratory period per week.

Three hours credit each semester.

103. **PRINCIPLES OF BUSINESS.** This course is designed to show the student how each division of a business enterprise is dependent upon other divisions and how the various functions are unified and co-ordinated by competent management. It treats briefly but thoroughly such inter-related business functions as Financing, Management, Purchasing, Advertising, Cost Accounting, Selling, Merchandising, and Labor Control, thus providing the student with an excellent survey of business functions before approaching specialized work.

Three hours credit.

104. **AMERICAN ECONOMIC HISTORY.** This course is designed to show the student the picture of American economy. Developments in the major sub-divisions of our economic life have been integrated by giving specific attention to measuring the adaptation and performance of the economy as a whole.

Three hours credit.

105-106. **ELEMENTARY SHORTHAND.** Study of the complete theory of Gregg shorthand by the functional method. Dictation and introduction to transcription. Class meets four times each week.

Two hours credit each semester.

107-108. **ELEMENTARY TYPEWRITING.** Complete mastery of the touch system of typewriting with emphasis upon attainment of accuracy and speed. Typing of artistic business letters and of other business forms is stressed. Class meets four times each week.

Two hours credit each semester.

110. **BUSINESS MATHEMATICS.** Designed primarily for students in the curriculum of Business Administration. Review of elementary algebra, linear and quadratic functions, logarithms, progressions, permutations and combinations, and the elementary theory of probability. Commercial applications.

Three hours credit.

111. **BUSINESS STATISTICS.** An introduction to the elementary theory of statistical analysis with applications. Central tendency, dispersion, skewness, trends, correlation, and index numbers.

Prerequisite, Business 110.

Three hours credit.

114-115. **BUSINESS COMPUTATIONS.** The fundamentals as well as the more advanced aspects of business calculations. Short methods and checks, percentages, interest, depreciation, and other matters usually treated in commercial and business arithmetic.

Three hours credit each semester.

116. **SECRETARIAL BOOKKEEPING.** A course designed to give vocational training in the principles of bookkeeping to those secretarial students preparing for positions in the offices of attorneys, doctors, lawyers, and other professional people. The fundamental principles of accounting are developed and applied through the medium of practice sets.

Three hours credit.

117. **SECRETARIAL BOOKKEEPING.** The accrual basis of accounting as applied to mercantile and trading enterprises is developed in this course. Actual practice of the theory will be obtained through the medium of practice sets.

Three hours credit.

205. **BUSINESS CORRESPONDENCE.** A review of basic English grammar with emphasis upon its use in modern business letter writing. Actual practice in the writing of all major forms of business communications with special attention given to the preparation of application letters and data sheets.

Three hours credit.

206-207. **MONEY AND BANKING.** A study of the nature and functions of money; the quantity theory; paper and deposit currency; collection of checks and the thorough study of the bank statement. The Federal Reserve System and its monetary policies; and a study of other contemporary financial institutions.

Prerequisite, Business 102.

Three hours credit each semester.

214. **MEDICAL SHORTHAND.** The course is designed to develop a good working knowledge of medical terminology which is used in the physician's office, the hospital, the laboratory, and the insurance office. Class meets four times each week.

Prerequisite, Business 210.

Two hours credit.

215-216. ACCOUNTING. Carries the fundamentals of accounting presented in Principles of Accounting into the advanced field. It presents an intensive study of accounting statements with an emphasis upon corporation stock and bond accounts. Also descriptions of advanced and technical procedures found in general accounting with an emphasis on partnership, joint ventures, agency and branches, and corporate combinations.

Prerequisite, Business 102.

Three hours credit each semester.

222. OFFICE PRACTICE. Designed to give the student actual practice in applying the knowledge and skills which are acquired in the theory course to problems which arise in typical office situations. Two hours a week of practical experience secured in the faculty and administrative offices.

Three hours credit.

223. OFFICE MACHINES. Demonstration by the instructor of the proper techniques for operation of various business machines. Students obtain actual practice in the use of these machines in order to develop skill and speed. Class meets five times per week.

Three hours credit.

231-232. INTERMEDIATE SHORTHAND. Review of theory and the development of speed in the writing and transcribing of Gregg shorthand. Special training to acquire technical vocabularies in the fields of advertising, agriculture, banking, insurance and law. Class meets four times each week.

Prerequisite, Business 105-106.

Two hours credit each semester.

235-236. INTERMEDIATE TYPEWRITING. Development of speed typewriting with a high degree of accuracy. Instruction and practice in typing all business letters and forms, tabulations, manuscripts, legal documents, Mimeograph stencils and Ditto master sheets. Class meets four times each week.

Prerequisite, Business 107-108.

Two hours credit each semester.

243-244. MEDICAL OFFICE TECHNIQUE. Medical ethics, patient psychology, and personal conduct in a medical office are included. The Pathologist and Bacteriologist of Williamsport Hospital provide demonstrations of procedures, First Aid, sterilization and care of instruments, and the maintenance of adequate office records. Observations are made in the hospital of such procedure in actual operation. Designed for the Medical Secretarial Students. During the second semester, actual observation work in a doctor's office acquaints the student with this work.

Three hours credit per semester.

302-303. **BUSINESS LAW.** Lecture course on the fundamentals of the law relating to business transactions: Contracts, agency, negotiable instruments, partnerships, corporations, sales, personalty security contracts, guaranty and suretyship, insurance, and real estate.

Four hours credit each semester.

304. **CREDITS AND COLLECTIONS.** The fundamentals of credit, investigation and analysis of risks, collection plans and policies. The organization of credit and collection agencies is studied.

Prerequisite, Business 102.

Three hours credit.

305. **MARKETING.** Retail, wholesale, and manufacturing trade channels; types of middlemen and functions; cooperative associations; marketing functions and policies of retailer, wholesaler and manufacturer; produce exchanges and other markets.

Prerequisite, six hours in Business Administration.

Three hours credit.

307. **ORGANIZATION AND FINANCIAL MANAGEMENT OF BUSINESS UNITS.** This course deals with the financing of business; the sources of capital and financial agencies such as note brokers, mortgage banks, investment bankers, commercial banks and commercial paper houses. An analysis of business promotions, reorganizations, mergers and consolidations, and the manner in which they are financed.

Prerequisite, six hours in Business Administration.

Three hours credit.

308. **INVESTMENTS.** This course deals with the leading types of investments, tests, investment programs, financial reports, forecasting methods and agencies, stock exchanges, brokerage houses, methods of buying and selling securities, etc. Laboratory work and case studies.

Prerequisite, six hours in Accounting.

Three hours credit.

311-312. **COST ACCOUNTING.** Methods of accounting for material, labor and factory overhead expenses consumed in manufacturing are introduced. Laboratory sets are used to illustrate job order and process costing. The recent development of the use of standard costs is introduced and illustrated through problems. The application of cost principles to distributive organizations and governmental units is also presented.

Prerequisite, Business 216.

Three hours credit.

313. **TAX ACCOUNTING.** A study of the theory and practice of Federal income taxation. Actual cases, problems and forms are used to illustrate the law and to determine the taxpayer's liability to the Government.

Prerequisite, Business 102.

Three hours credit.

331-332. **ADVANCED SHORTHAND.** A shorthand course designed to develop in the writer a degree of skill and of speed sufficient to prepare him for court reporting and for executive work. Class meets five times per week.

Prerequisite, Business 210-211.

Three hours credit per semester.

335-336. **ADVANCED TYPEWRITING.** A typewriting course designed to develop in the student a high degree of accuracy and of speed in the preparation of all business documents. Class meets five times per week.

Prerequisite, Business 212-213.

Three hours credit per semester.

341-342. **PRINCIPLES OF RETAILING I AND II.** Survey of the field of retailing; history and development of different types of stores; advantages and disadvantages of each type; store location, layout, and organization; duties and functions of the different departments; cooperative movements in retailing; selection, training, and supervision of employees.

Three hours credit per semester.

345. **RETAIL ADVERTISING AND SALES PROMOTION.** Fundamental principles of the science of advertising; advertising media, copy, appeals, layouts, type, illustration, art, psychology; and fundamental principles of sales promotion and coordination of all forms within the organization.

Three hours credit.

346. **RETAIL SALESMANSHIP.** Fundamentals of efficient selling. Problems affecting the customer and the store; meeting customer needs; preparation and presentation of merchandise manual; sales demonstration. Three hours lecture per week.

Three hours credit.

401. **REAL ESTATE.** The fundamentals of the real estate business including a study of titles, mortgages, leases, advertising, sale, purchase, development, and management of real estate.

Prerequisite, six hours in Business Administration numbered above 200.

Three hours credit.

402. **INSURANCE.** The fundamentals of fire, marine, health, accident, casualty, and social insurance. Commercial and governmental plans.

Prerequisite, six hours in Business Administration numbered above 200.

Three hours credit.

403. **INSURANCE.** Life insurance and annuities. Fidelity and surety bonds.

Prerequisite, six hours in Business Administration numbered above 200.

Three hours credit.

406. **BANK POLICIES AND PROCEDURES.** This course is designed to obtain a more specialized and practical knowledge of banking and related financial institutions. The course will emphasize actual organization and operation of the institution under study. The study will be supplemented with field trips and lectures in the classroom by various operating officers.

Prerequisite, Business 207.

Three hours credit.

421-422. **OFFICE PRACTICE.** A course planned to give the student actual practice in applying the knowledge and skills which have been acquired in the theoretical business courses to problems which arise in typical office situations. Class laboratory will meet two hours per week. Four hours of work will be assigned in faculty and administrative offices.

Prerequisite, Business 210, 212.

Three hours credit per semester.

423-424. **AUDITING.** This course deals with the science of verifying, analyzing, and interpreting accounts and reports. An audit project is presented, solved and interpreted throughout the year.

Prerequisite, Business 312.

Three hours credit each semester.

425. **ACCOUNTING.** This course is intended to meet the needs of those interested in professional accounting and in preparation for C. P. A. examinations. The problems presented throughout the course are taken from past C. P. A. and American Institute of Accountants examinations and require in their solution a thorough knowledge of the subject matter of prerequisite courses taken.

Prerequisite, Business 409.

Three hours credit.

441. RETAIL BUYING AND MERCHANDISING. Problems of merchandising. Responsibilities of the buyer; what, when, where and how to buy; types of merchandise, pricing, leased departments, sales planning and merchandise control; importance of volume, mark-up, mark-down, and turnover; emphasis on making a profit; actual store problems.

Three hours credit.

443. RETAIL PERSONNEL MANAGEMENT. Organization and responsibilities of the personnel department: selection, training, welfare work, methods of payment, incentives for better work, morale, personnel problems connected with the retail store.

Three hours credit.

445-446. RETAIL PROBLEMS I AND II. A survey of current issues confronting retail management and examination of the management, merchandising and publicity activities of retail stores. Current trends and differences in store practices are stressed; emphasis is given to governmental regulations, labor, and employee-employer relations. The case method is used extensively in the development of the course.

Three hours credit per semester.

CHEMISTRY

Courses offered in this department are planned to meet the needs of several classes of students. They provide a thorough fundamental training in chemistry for those who (1) expect to enter medical, dental or other professional schools; (2) intend to do graduate work in this field; (3) plan to work in industrial laboratories as chemists (it should be realized that many laboratories now require advanced degrees); (4) wish a background of chemical facts and theories the better to understand the world of chemistry in which we live; or (5) are taking the special curricula in Medical Secretarial and Laboratory Technician Courses.

Students who wish to major in chemistry must be recommended by the Department Head and complete 24 hours of chemistry in addition to General Chemistry. A minor field of concentration is 18 hours including General Chemistry.

101-102. GENERAL CHEMISTRY. The course comprises a systematic study of the fundamental laws and theories of chemistry in connection with the most important metallic and non-metallic elements and their compounds. Two hours lecture and two two-hour laboratory periods per week.

Four hours credit each semester.

103. **APPLIED CHEMISTRY.** A brief survey of general chemistry designed to prepare the student for an understanding of some of the many applications of chemistry to the home, to nutrition, and to nursing. Three hours lecture and one two-hour laboratory period per week.

Four hours credit.

201. **QUALITATIVE ANALYSIS.** An elementary course in the study of modern theories of solutions of electrolytes and their applications to cation and anion analysis. Two hours lecture and two three-hour laboratory periods per week.

Four hours credit.

202-203. **QUANTITATIVE ANALYSIS.** A presentation of the fundamental methods of elementary gravimetric and volumetric analysis together with practice in laboratory techniques and calculations of these methods. Two hours lecture and two three-hour laboratory periods per week.

Four hours credit each semester.

205. **QUANTITATIVE ANALYSIS.** A one semester course in simple quantitative analysis given more briefly than course 202-203. The course is designed chiefly for laboratory technician students. Two hours lecture and two three-hour laboratory periods per week.

Four hours credit.

301-302. **ORGANIC CHEMISTRY.** A systematic study of the compounds of carbon including both aliphatic and aromatic series. The laboratory work introduces the student to simple fundamental methods of organic synthesis. Three hours lecture and one four-hour laboratory period per week.

Four hours credit each semester.

401-402. **PHYSICAL CHEMISTRY.** A study of the fundamental principles of theoretical chemistry and their applications. The laboratory work includes techniques in physico-chemical measurements. Three hours lecture and one four-hour laboratory period per week.

Four hours credit each semester.

DRAWING

101. **ENGINEERING DRAWING.** The principles of orthographic projection, axiometric drawing, and perspective through instrumental and free hand exercises. Vertical lettering, free hand sketches, use of drawing instruments, drafting room practice in conventional representations, practice in pencil and ink tracing, sections, theory of dimensioning, detail and

assembly drawings and the reading of working drawings. Class meets three two-hour laboratory periods per week.

Three hours of credit.

103. **DESCRIPTIVE GEOMETRY.** Graphical solution of the more advanced space problems, both theoretical and practical and those encountered in engineering practice; practice in inclined free hand lettering. Problems involve the measurement of angles and distances and the generation of various surfaces, together with their sections, developments and intersections. In each project visualization and analysis leads to a logical and efficient solution. Class meets three two-hour laboratory periods per week.

Three hours of credit.

ECONOMICS

Twenty-four hours of economics are required for a major in this field.

201-202. **PRINCIPLES AND PROBLEMS OF ECONOMICS.** A study of the organization of the economic system and principles and problems that govern economic activity. Major topics covered include: production, consumption, exchange, distribution, risks of enterprise, banking, international trade, profits, rent, wages and social reforms.

Three hours credit each semester.

MONEY AND BANKING. (See Business Administration 206-207).

301-302. **ECONOMIC GEOGRAPHY.** A general survey course, showing the relation of physical environment to man's economic and cultural achievements. Emphasis is placed on the part the United States plays in the occupations of man, as contrasted to other producing areas of the world.

Three hours credit each semester.

304. **CONSUMER ECONOMICS.** The place of the consumer in the economic system, forces back of consumer demand, governmental controls to aid the consumer, consumer economic education and private aids.

Prerequisite, six hours in Economics.

Three hours credit.

305. **LABOR PROBLEMS.** A study of the American labor movement and the position of the worker in modern industrial society. Unemployment, wages, hours, child labor, woman in industry, the aged worker, unions, and industrial peace are among the problems considered.

Prerequisite, six hours in Economics.

Three hours credit.

306. **LABOR LEGISLATION.** A continuation of labor problems. Labor and the courts; federal regulation of capital-labor relations; the work of federal labor boards.

Prerequisite, Economics 305.

Three hours credit.

INVESTMENTS. (See Business Administration 308).

402. **TRANSPORTATION.** Problems and policies of railroads, busses, inland waterways, air and ocean transportation. The economic importance and significance of transportation are emphasized.

Prerequisite, six hours in Economics.

Three hours credit.

403. **HISTORY OF ECONOMIC THOUGHT.** An advanced course which deals with the origin, growth and significance of economic institutions with emphasis upon those of Europe and the United States.

Prerequisite, six hours in Economics numbered above 200.

Three hours credit.

404. **ADVANCED ECONOMICS.** Intended to co-ordinate the work of the special courses taken in the field of economics. More comprehensive analyses of economic forces than were taken in the elementary economic courses.

Prerequisite, Economics 201-202 and six hours in Economics numbered above 200.

Three hours credit.

405. **PUBLIC FINANCE.** Public revenue and expenditures; preparation of budgets; public taxation; public borrowing.

Prerequisite, six hours in Business Administration numbered above 200 and Economics 201-202.

Three hours credit.

406. **PRINCIPLES OF PUBLIC UTILITIES.** Public utility characteristics, organization, management, financing, combination, and accounting; regulation, valuation, and rate-making are stressed.

Prerequisite, Economics 201-202.

Three hours credit.

ENGLISH

A major in English consists of a minimum of 24 semester hours, excluding 101-102, in courses offered by the department; at least 6 hours must be in American Literature and at least 15 hours in courses numbered 300 and above.

101-102. COMPOSITION. The two-fold purpose is to teach the student to read good prose of ordinary difficulty, both critically and appreciatively, and to organize his ideas in logical, connected discourse.

Required of all freshmen.

Three hours credit per semester.

201. SURVEY OF ENGLISH LITERATURE. A study of the major movements and authors from their beginnings to 1798.

Three hours credit.

202. SURVEY OF ENGLISH LITERATURE. A study of the major movements and authors from 1798 to contemporary period.

Three hours credit.

203. HISTORY OF AMERICAN LITERATURE. A survey of our literature from the colonial period to 1860.

Three hours credit.

204. HISTORY OF AMERICAN LITERATURE. A survey of our literature from 1860 to the contemporary period.

Three hours credit.

(Any two semesters' work in courses 201, 202, 203, and 204 will satisfy the requirement of 6 hours in literature).

211. FUNDAMENTALS OF JOURNALISM. Introductory course in practical newspaper work.

Three hours credit.

301. ROMANTIC MOVEMENT. A study in the English Romantic poets, Wordsworth to Keats.

Three hours credit.

Not offered 1951-1952.

303. VICTORIAN POETRY. The major poets from Tennyson to Housman.

Three hours credit.

304. VICTORIAN PROSE. Emphasis is placed on the attitudes of the leading essayists toward the many and varied problems of the Victorian Age.

Three hours credit.

311. SHAKESPEARE. A study of representative plays, as to content, dramatic quality, diction. Outside readings.

Three hours credit.

313-314. HISTORY AND APPRECIATION OF THE DRAMA. A study of the drama from the Greek beginnings to the present day, as to types, subject matter, and technical structure.

Three hours credit per semester.

316. CONTEMPORARY LITERATURE. A study of the major trends in American and English Literature of the recent past.

Three hours credit.

Not offered 1951-1952.

320. ADVANCED COMPOSITION. Consent of the instructor; limited to 15 students. Three hours lecture per week.

Three hours credit.

(At least junior standing and 9 hours in English above the freshman year required for 400 courses).

THE BIBLE AS LITERATURE. See Religion 304.

401. HISTORY OF THE ENGLISH NOVEL. From Defoe to Jane Austen.

Three hours credit.

402. HISTORY OF THE ENGLISH NOVEL. From Dickens to Galsworthy.

Three hours credit.

404. AMERICAN REGIONAL FICTION. Study in development of local color and regional literature after the Civil War.

Three hours credit.

410. HISTORY OF THE ENGLISH LANGUAGE. Some knowledge of Latin and one modern language will prove helpful.

Three hours credit.

415-416. STUDIES IN LITERATURE. Conferences, oral and written reports on selected topics designed to round out a student's knowledge of English and American Literature. Limited to qualified majors.

Three hours credit per semester.

FRENCH

A major in French consists of 24 hours beyond French 12.

A minor consists of 18 hours.

11-12. BEGINNING. Fundamentals of pronunciation and grammar; practice in reading, conversation, and composition.

Three hours credit per semester.

101-102. INTERMEDIATE. Review of grammar. Study of modern texts; practice in conversation and composition. Reports on outside reading.

Prerequisite 11-12 or equivalent.

Three hours credit per semester.

203-204. COMMERCIAL. Not offered 1951-1952.

211-212. ADVANCED. Reading of classical and modern texts; outside readings and reports. Study of principal literary movements and civilization. Three class hours per week.

Prerequisite 101-102 or equivalent.

Three hours credit per semester.

301-302. ADVANCED GRAMMAR. Thorough study of grammar. Cours de style: French "from the inside," practice in composition and development of literary writing.

Prerequisite 201-202 or equivalent.

Three hours credit per semester.

303-304. PHONETICS AND CONVERSATION. Study of the phonetic symbols for a better pronunciation. Conversation based on events of Paris, customs, manners, and politics of France.

Three hours credit.

351-352. MODERN DRAMA. Study of the principal dramatic movements of the nineteenth and twentieth centuries, beginning with Victor Hugo and the Romantic School.

Prerequisite 201-202 or equivalent.

Three hours credit per semester.

401-402. SURVEY. A study of representative works from the earliest monuments to modern times. Analysis of the texts and their relations to other literatures. Introduction to graduate methods of research and preparation. Required of all majors.

Prerequisite 301-302 or equivalent.

Three hours credit per semester.

415-416. STUDIES IN LITERATURE. Conferences, and oral and written reports on selected topics designed to round out a student's knowledge of English and American Literature. Limited to qualified majors.

Prerequisite 401-402.

Three hours credit per semester.

Not offered 1951-1952.

GERMAN

A major in German consists of 24 hours beyond German 12.

A minor consists of 18 hours.

11-12. BEGINNING. Fundamentals of pronunciation and grammar; practice in reading, conversation, and composition.

Three hours credit per semester.

101-102. INTERMEDIATE. Review of grammar. Study of modern texts; practice in conversation and composition. Reports on outside reading.

Prerequisite 11-12 or equivalent.

Three hours credit per semester.

201-202. ADVANCED. Reading of classical and modern texts; outside readings and reports. Study of principal literary movements and civilization. Three class hours per week.

Prerequisite 101-102 or equivalent.

Three hours credit per semester.

301-302. ADVANCED GRAMMAR. Thorough review of German grammar, stressing word order, declension, passive voice, subjunctive mood, and idioms of high frequency.

Three hours credit per semester.

331-332. DIE NOVELLE. Readings and discussions of representative short stories, with emphasis on the more modern authors; study of relations with other literatures.

Prerequisite 201-202 or equivalent.

Three hours credit per semester.

Not offered 1951-1952.

401-402. SURVEY. A study of representative works from the earliest monuments to modern times. Analysis of the texts and their relations to

other literatures. Introduction to graduate methods of research and preparation. Required of all majors.

Prerequisite 301-302 or equivalent.

Three hours credit per semester.

415-416. STUDIES IN LITERATURE. Special studies for majors. Conference hours and reports to be arranged. Prerequisite 401-402.

Not offered 1951-1952.

GREEK

311-312. NEW TESTAMENT READINGS. Fundamentals of New Testament Greek grammar. Readings from the Gospels according to St. Luke and St. Matthew.

Open to students in Junior year or above, except by special permission.

Three hours credit per semester.

411-412. ADVANCED NEW TESTAMENT READING. Readings from the Gospel according to St. John, the Acts of the Apostles, and the Epistles.

Prerequisite, Greek 311-312.

Three hours credit per semester.

HISTORY

The History Department aims to prepare students for intelligent citizenship and for entering the fields of religious work, law, government service, and other professions. Through a study of civilizations of the past, the student is expected to gain a better perspective of our own political, economic, and social structure and to be more aware of the nature and needs of contemporary life.

A major in history consists of a minimum of 24 semester hours beyond History 101-102.

A minor in history requires a minimum of 18 semester hours.

101. MODERN EUROPE TO 1815. A survey of Europe from the sixteenth century to the Congress of Vienna, with special attention to selected cultural, political, and economic movements of the era.

Three hours credit.

102. MODERN EUROPE SINCE 1815. A continuation of History 101 with emphasis upon the Liberal and Nationalist movements of the nineteenth century, and the background and history of World Wars I and II.

Three hours credit.

201. UNITED STATES AND PENNSYLVANIA HISTORY TO 1865. A course in the political, economic, and social factors in the history of the United States and the Commonwealth, designed to meet the state requirements for a teaching certificate.

Three hours credit.

202. UNITED STATES AND PENNSYLVANIA HISTORY SINCE 1865. A continuation of History 201, with special attention to international relations, the problems of labor, education, and corporate control, and postwar activities.

Three hours credit.

203. ANCIENT CIVILIZATION. The origin and character of the civilizations of antiquity, with special emphasis upon those elements of Greek and Roman culture which have been incorporated in the structure of western civilization.

Three hours credit.

204. HISTORY OF MEDIEVAL EUROPE. The development of European political, social, and religious institutions and cultural patterns from the collapse of the Roman Empire to 1500.

Three hours credit.

301. THE COLONIAL PERIOD AND THE AMERICAN REVOLUTION (1492-1789). A concentrated course on the discovery of the Continent, and the events leading up to the Revolution and the adoption of the Constitution.

Three hours credit.

Not offered 1951-1952.

302. AMERICAN FOREIGN RELATIONS. A study of the most significant diplomatic problems arising out of wars, westward expansion, and colonial possessions, with special attention to the evolution of the United States as a world power.

Three hours credit.

304. THE RENAISSANCE AND REFORMATION. A study of the intellectual, artistic, and commercial developments from the fourteenth to the seventeenth century, together with the origin of the Protestant tradition and related political factors.

Three hours credit.

Not offered 1951-1952.

305. MODERN ENGLISH HISTORY. The rise and development of the British Empire from Tudor times to the Commonwealth of Nations, covering political and social reforms, the growth of the cabinet system, and imperial developments.

Three hours credit.



Fine Arts Building

INTERNATIONAL RELATIONS. See Political Science 403.

308. CIVIL WAR AND RECONSTRUCTION. Emphasis is placed on the events leading up to the war; the various campaigns of the war will be considered and the return to peacetime activity.

Three hours credit.

Not offered 1951-1952.

310. RECENT HISTORY OF THE UNITED STATES (1896-PRESENT). The development of the United States in the twentieth century. The problems and reforms of Theodore Roosevelt; Wilsonian doctrines; the First World War; the New Deal, its objectives, principles, and practices; the Second World War and its problems to the present.

Three hours credit.

313-314. CONSTITUTIONAL HISTORY OF THE UNITED STATES. This course presents an analysis of American political philosophy, constitutional origins, and Supreme Court decisions in their influence upon economic and social problems.

Three hours credit per semester.

Not offered 1951-1952.

317. THE FRENCH REVOLUTION AND THE NAPOLEONIC ERA. An analysis of the political, social, and intellectual backgrounds of the French Revolution, a survey of the course of revolutionary development, and an estimate of the results of the Napoleonic conquests and administration.

Three hours credit.

Not offered 1951-1952.

320. PENNSYLVANIA HISTORY. A history of Pennsylvania from its founding to the present day. All phases of life in the colony and commonwealth are treated. This course is designed to meet the state requirements for a teaching certificate.

Three hours credit.

401-402. CONTEMPORARY EUROPE. A study of diplomatic, social and economic developments since 1914, with special reference to the rise of fascist states, international rivalries, the Soviet and Nazi revolutions, and world peace organizations. Three hours lecture per week.

Three hours credit per semester.

415-416. STUDIES IN SOCIAL SCIENCE. Conferences, and oral and written reports on selected topics designed to round out a student's knowledge of the Social Sciences. Limited to qualified majors.

Three hours credit per semester.

Not offered 1951-1952.

MATHEMATICS

The study of mathematics has always been considered valuable because of its training in exact reasoning, precise statement, and its emphasis on essentials. It is a foundation for work in the sciences, particularly engineering, physics, and chemistry.

For the field of concentration with the major in mathematics, 24 hours are required; 18 hours for a minor.

75. GENERAL MATHEMATICS. An introduction to basic ideas of mathematics and the relation of these ideas to industry, science, art, and philosophy. This course will not serve as a prerequisite for any other courses in mathematics.

Three hours credit.

100. INTERMEDIATE ALGEBRA. For students presenting only one year of high school algebra and desiring further work in science or engineering. No college credit toward a major.

Three hours credit.

101. COLLEGE ALGEBRA. After a rapid review of quadratic equations, this course deals with the binominal theorem, permutations and combinations, probability, series, determinants, and theory of equations.

Three hours credit.

102. TRIGONOMETRY. An introductory course in plane trigonometry dealing with the use of logarithms in the solution of plane triangles, together with the trigonometric functions of an angle and the fundamental identities connecting its functions.

Three hours credit.

108. ALGEBRA AND TRIGONOMETRY. Special engineering course open only to students with special permission.

Five hours credit.

109. ALGEBRA AND TRIGONOMETRY. Special engineering course open only to students with special permission.

Four hours credit.

110. ANALYTIC GEOMETRY AND DIFFERENTIAL CALCULUS. Special engineering course open only to students with special permission.

Four hours credit.

201. ANALYTIC GEOMETRY. A study of the graphs of various equations; curves resulting from simple locus conditions with stress on the loci of the second degree; polar co-ordinates, and co-ordinates of space.

Prerequisite, Trigonometry.

Four hours credit.

202. DIFFERENTIAL CALCULUS. Usual course including the elements of differentiation and their applications, maxima and minima, curve tracing, rates, curvature, and differentials, etc.

Prerequisite, Mathematics 201.

Four hours credit.

301. INTEGRAL CALCULUS. Integration as the reverse of differentiation. Integration as a process of summation. Formal and numerical integration. Practical applications: areas, volumes, pressure, work, lengths of arc, etc.

Prerequisite, Mathematics 202.

Four hours credit.

302. DIFFERENTIAL EQUATIONS. A first course in ordinary differential equations. Includes differential equations of first order with applications to physics, mechanics, and chemistry; linear equations with constant coefficients, simultaneous equations, and some special higher order equations.

Prerequisite, Mathematics 301.

Three hours credit.

401. ADVANCED CALCULUS. Includes a short course in solid analytic geometry, partial differentiation, power series, Maclaurin and Taylor series, multiple integrals.

Prerequisite, Mathematics 301.

Three hours credit.

402-403. HIGHER ALGEBRA. First semester includes the elementary theory of equations. Second semester includes the study of the binomial theorem for any index, the summation of series, mathematical induction, elements of the theory of numbers, indeterminate equations, and probability.

Prerequisite, Mathematics 101.

Three hours credit per semester.

MUSIC

101-102. SIGHT SINGING. The singing of folk songs and other standard music literature. Melodic, rhythmic, and harmonic problems are approached through the use of actual musical material. Class sessions three hours a week.

Two hours credit per semester.

103-104. DICTATION. Melodic dictation parallels Music 101-102, and harmonic dictation parallels Music 105-106. Class sessions three hours a week.

Two hours credit per semester.

105-106. HARMONY. The study of chords, their construction, relations and progressions with the practical application of the principles involved to the keyboard. The harmonization of melodies with triads and seventh chords. Modulation. Composition, using the smaller forms.

Three hours credit per semester.

107-108. APPLIED MUSIC. Private lessons are offered in piano, organ, violin, voice, and in the principal band and orchestra instruments. Two private lessons per week are required in one's principal field of performance and one private lesson in the minor field. Students in the Music Course are required to minor in piano until grade six in the Piano Course has been passed satisfactorily. Private lessons are one half hour long.

One half hour credit per private lesson per semester.

109-110. ENSEMBLE. The study and performance of compositions written in the various instrumental and vocal forms. Credit for ensemble work cannot exceed one hour each year. The following activities are provided:

The Military and Concert Band. In the fall semester the band rehearses three times a week, and twice a week in the spring semester.

The Symphony Orchestra. In the fall semester the orchestra rehearses two times a week; spring semester, three times a week. Required of instrumental majors.

The College Choir. Meets once a week to prepare larger choral works. Required of voice majors.

The Acappella Choir. Selected voices taken from the student body at large. Meets three times a week to prepare unaccompanied compositions of many styles.

The Men's Glee Club. Meets once a week.

The Women's Glee Club. Meets once a week.

201. SIGHT SINGING. A continuation of courses 101-102 with examples being selected from major choral works. Class sessions three hours a week.

Two hours credit.

203. DICTATION. A continuation of courses 103-104 with added emphasis being given to harmonic examples. Class sessions three hours a week.

Two hours credit.

205-206. HARMONY. A continuation of courses 105-106, including a study of altered chords.

Three hours credit per semester.

207-208. APPLIED MUSIC. The continuation of private study.

One half hour credit per private lesson per semester.

209-210. ENSEMBLE. The second year of ensemble work.

One credit hour per year for activities listed in 109-110.

211-212. HISTORY OF MUSIC. A survey of the field of the history of music with special emphasis directed toward guided listening. Class sessions four hours per week.

Three hours credit per semester.

213. STRINGED INSTRUMENTS CLASS. The work covered includes a playing knowledge of the instruments and some study of their literature. Class sessions two hours per week.

One hour credit per semester.

215. PIANO SIGHT PLAYING CLASS. Reading of standard overtures, symphonies and other piano literature for two, four and eight hands. Accuracy is demanded in rhythm, and guides are given to the technique of sight playing. Required of piano majors. Class sessions two hours per week.

One hour credit.

217. VOCAL METHODS CLASS. A study of anatomy relative to vocalization; a survey of the physics of sound; a study of rhythm and pulse; diction studied through phonetic spelling. Practical application is made by singing, individually and as a class, selected songs and vocalises. Class sessions two hours per week.

One hour credit.

301. APPRECIATION OF MUSIC. A general survey of musical literature designed to increase the enjoyment of music rather than to study music in a technical sense. Students in the Music Course are not obliged

to take this course, but those in the Liberal Arts Course are required to do so.

Three hours credit.

REQUIRED WORK

PIANOFORTE MAJORS

Pre-college work in the Piano Department is divided into six grades. Special students (those not regularly enrolled in the College) and College students who desire to study piano as a secondary subject will follow the Preparatory Course. Those who desire to major in piano at the college level must meet the requirements of Piano 6 to enter the first year of college piano.

Piano 6: Major and minor scales, four octaves. Major, minor and diminished arpeggios, three octaves. Short preludes of Bach. Easier sonatas of Mozart and Haydn. Mendelssohn's Songs Without Words or material of comparable difficulty.

COLLEGE PIANO

Piano 7: (First year) Major, minor and chromatic scales in parallel motion. Whole tone scale. Major and minor arpeggios, dominant and diminished sevenths in all positions, four octaves. Bach Two Part Inventions. Mozart and Beethoven Sonatas. Mendelssohn's Songs Without Words and other selected materials from the classical, romantic and modern periods.

Piano 8: (Second year) Major, minor and chromatic scales in contrary motion. Arpeggios as in Piano 7, contrary motion. Bach Three Part Inventions. Mozart and Beethoven Sonatas of greater difficulty. Romantic and Modern Compositions. Sophomore recital.

Piano 9: (Third year) Major, minor and chromatic scales in thirds, sixths and tenths, four octaves; also double thirds. Arpeggios as in Piano 8 with increased speed. Bach Partitas, French and English Suites, and Well-Tempered Clavichord. Beethoven Sonatas. A continuation of Romantic and Modern compositions. Junior recital.

Piano 10: (Fourth year) Bach-Well Tempered Clavichord. Beethoven Sonatas of greater difficulty. Concertos, Chopin Etudes, and greater works of the Romantic and Modern periods. Senior recital.

ORGAN

Piano 6 constitutes the minimum background required to permit a student to study organ. Additional work in piano may be required at the discretion of the department head. The foundation teaching in organ is based on trios and pedal studies. Much attention is given to clarity and precision, voice progression, registration and artistic phrasing. The student is given the opportunity to work in both the church and recital fields of organ playing while being given a knowledge of the best in organ literature.

REQUIRED WORK

VOICE MAJORS

Requirements for graduation in this department at the Junior College level include a minimum of one year in a foreign language (preferably French or German). A candidate for graduation must be able to read at sight an American song of average difficulty, perform acceptably at the piano compositions of Piano 6 and present a public recital of songs. Ensemble singing required.

Voice 1: (First year) A study of posture, breathing and resonance as these are applied to tone production. A study of the speaking voice in its relation to singing. Standard vocalises and simpler sacred and secular songs in English. Less difficult songs of Franz, Schubert, etc. (in German), folk songs.

Voice 2: (Second year) The continuation of vocalises as above with others of greater difficulty added. Classic songs of Bach, Handel, Haydn (in English), Mozart (in Italian), and Italian songs of the Bel Canto period, Franz, Schubert, Schumann, and Brahms (in German), simpler French songs and modern English and American songs. An introduction to oratorio. Sophomore recital.

Voice 3: (Third year) Vocalises of greater difficulty involving an understanding of Major, Minor, and Chromatic scales. Arias and recitatives from Bach, Handel, Haydn, Mozart. Representative German lieder. Modern French, Italian, and Russian songs (in English). More difficult English and American songs. A continuation of oratorio. Junior recital.

Voice 4: (Fourth year) A continuation of German lieder and modern songs of varied styles, including those of Franck, Debussy, Faure and others. One complete oratorio role. Senior recital.

VIOLIN MAJORS

Violin—(First year). Major scales, and melodic minor scales through three octaves. Harmonic minor scales through two octaves. The above to be played with a variety of bowings, and with both rapid and slow tempo. Major scales in thirds, sixths, and octaves, compass one octave, with a slow tempo. Additional technical study from Sevcik and Gruenberg.

The Kreutzer studies. Suitable pieces, and student concertos and sonatas to parallel the technique studied. In all, purity of intonation, and beauty of tone will be the goal set by teacher and student.

Violin—(Second year). The study of scales continued with tempos being increased. Harmonic minor scales through three octaves. Major and minor scales in thirds, sixths, and octaves, compass one octave, with a slow tempo.

Further study of technique.

Fiorillo studies. Rode studies.

Advanced type of pieces, sonatas, concertos.

Sophomore recital.

Violin—(Third year). The study of scales continued.

Major and minor scales in thirds, sixths, and octaves, compass two octaves.

Advanced studies.

Compositions representative of the classical, romantic, and modern period.

Junior recital.

Violin—(Fourth year). Advanced studies.

Compositions—sonatas, concertos, etc., representing the literature of the violin.

Senior recital.

PHILOSOPHY

207. INTRODUCTION TO PHILOSOPHY. This basic course introduces the student to the philosophical spirit as distinguished from the scientific; the criteria of truth based upon the synoptic method as a coherent organic whole; comparison of ideas to reality with major consideration of universals and values.

Three hours credit.

209. PROBLEMS OF PHILOSOPHY. The study of the chief philosophical world views with the aim to develop a perspective for the interpretation of experience

Prerequisite, Philosophy 207.

Three hours credit.

Not offered 1951-1952.

303. ETHICS. The central purpose of this course is to give constructive guidance in areas of vital concern to modern youth in college life. The modern problems of personal conduct and social ethics are considered in the light of the principles of moral obligations.

Prerequisite, Philosophy 207.

Three hours credit.

305. LOGIC. An introduction to the principles of reasoning based upon the methods of inductive and deductive logic with a major consideration of the laws of thought, the syllogism, fallacies, methods of science, and criteria of truth.

Prerequisite, Philosophy 207.

Three hours credit.

Not offered 1951-1952.

401. HISTORY OF ANCIENT AND MEDIEVAL PHILOSOPHY. A study of the ancient and medieval philosophers and their major contributions.

Prerequisite, Philosophy 207.

Three hours credit.

402. HISTORY OF MODERN PHILOSOPHY. A study of modern philosophy beginning with Francis Bacon and the development of empiricism, rationalism, idealism, positivism, pragmatism, and personalism.

Prerequisite, Philosophy 207.

Three hours credit.

PHYSICAL EDUCATION

It is the aim of the physical Education Department to provide a suitable and useful program for the development of reasonable skill and permanent interest in wholesome activities that may be enjoyed after graduation; to stimulate the formation of regular health habits; and to give suitable exercises developing a high degree of physical fitness.

The specific requirement for graduation consists of successful completion of four years of required physical education. In case of disability, students may be excused from the active part of the program upon recommendation of a physician and with the consent of the Department Head. Such students will, however, complete a program of restricted activity, assigned readings in health education, or a combination of both in order to obtain credit in physical education for graduation.

101-102. PHYSICAL EDUCATION. Basic instruction in fundamentals of "carry over" sports such as swimming, tennis, badminton, bowling, volleyball, basketball, softball, handball, boxing, calisthenics, informal gymnastics, etc. Passing a proficiency test in swimming shall be required. Two hours each week.

One hour credit per semester.

201-202. PHYSICAL EDUCATION. More advanced work in activities offered Freshmen. The student is permitted to express a preference for the sports he likes best and encouraged to become a skillful enthusiast in the activities of his choice. A reasonable degree of proficiency in a sport of his choice shall be required. Two hours each week.

One hour credit per semester.

301-302. PHYSICAL EDUCATION. A continuation of Physical Education 201-202 with emphasis placed on actual participation in games and sports. Two hours each week.

One hour credit per semester.

PHYSICS

The courses in physics are designed for (1) students who wish to learn something of the facts and laws of physics and their application to the physical world in which we live; (2) students preparing to enter medical, dental, or engineering school; and (3) students who expect to do practical work in industry.

101-102. GENERAL PHYSICS. A course in the first semester covering mechanics, heat, and sound; and in the second semester, magnetism, electricity, and light. Lectures and recitations based on a standard text accompanied by a systematic course in quantitative laboratory practice. Three hours lecture and two two-hour laboratory periods per week.

Prerequisite, Mathematics 101-102 or parallel.

Five hours credit per semester.

201. STATICS. The division of mechanics which includes the fundamental conception of a force, the resolution of a force into components, and the composition of forces into a resultant. Both the analytical and the graphic solutions are used.

Prerequisite, Mathematics 101-102; Physics 101.

Three hours credit.

202. STRENGTH OF MATERIALS. The application of analytical and vector methods to mechanical systems, including moment and shear diagrams.

Prerequisite, Physics 201.

Three hours credit.

301. DYNAMICS. A division of mechanics including forces which act on a body to cause a change in its motion.

Prerequisite, Physics 201.

Three hours credit.

302. METEOROLOGY. A study of basic principles pertaining to the observation and recording of weather data, and the basing of future weather predictions on them.

Three hours credit.

303. LIGHT. A study of the theories of physical optics and an introduction to modern spectroscopy.

Prerequisite, Physics 101-102; Conference on mathematical background required.

Three hours credit.

POLITICAL SCIENCE

The courses in political science are intended to acquaint the student with the political institutions and political problems in the United States and the world today.

201. AMERICAN GOVERNMENT. An inquiry into the structure and functions of the various organs of national government, with special reference to their expansion to meet the problems of a modern society.

Three hours credit.

202. STATE AND LOCAL GOVERNMENT. A comparative study of the organization and functions of the states and their subdivisions, their relationship to the federal government, and the newer concept of the work of state administration.

Three hours credit.

301. PRINCIPLES OF POLITICAL SCIENCE. A study to acquaint the student with the functions of the modern state, the development of political thought, individual liberty under the law, and the nature of political parties.

Three hours credit.

Not offered 1951-1952.

302. POLITICAL PARTIES AND PRESSURE POLITICS. A study of political parties in the United States with emphasis upon factors of control, campaign techniques, propaganda, and their relationship to pressure groups.

Prerequisite, Political Science 201.

Three hours credit.

303. COMPARATIVE GOVERNMENT. An analysis of several governments of the world, affording a comparison between democratic and authoritarian states, with particular attention directed to changes resulting from World War II.

Prerequisite, Political Science 201.

Three hours credit.

Not offered 1951-1952.

304. MUNICIPAL GOVERNMENT. An analysis of different forms of city government in the United States, the relation of the city to the states, city politics and elections, and the problems of municipal administration.

Prerequisite, Political Science 201.

Three hours credit.

AMERICAN FOREIGN RELATIONS. See History 302.

CONSTITUTIONAL HISTORY OF THE UNITED STATES. See History 313-314.

BUSINESS LAW. See Business Administration 302 and 303.

401. PUBLIC ADMINISTRATION. A study of the principles, organization, and procedures of public administration, with special attention to the location of authority, analyses of objectives, and the problems of responsible bureaucracy.

Prerequisite, Political Science 201.

Three hours credit.

405. INTERNATIONAL RELATIONS. The setting for the struggle for power and peace in our time: evolution of the national state system; the arts of diplomacy; imperialistic rivalries; the quest for a world wide rule of law.

Three hours credit.

406. INTERNATIONAL RELATION. The postwar crisis in world politics: the new role of the great powers of yesterday; the two-bloc system and the ideological conflict; the problem of peace in the middle 20th century.

Three hours credit.

409. INTERNATIONAL LAW. A study by the case method of the nature and scope of the rules governing the conduct of states with one another during peace, war and neutrality.

Prerequisite, Political Science 201.

Three hours credit.

415-416. STUDIES IN POLITICAL SCIENCE. Conferences, and oral and written reports on selected topics designed to round out a student's knowledge of the Political Sciences. Limited to qualified majors.

Three hours credit per semester.

Not offered 1951-1952.

PSYCHOLOGY

The psychology courses aim to acquaint the student with the facts and laws of behavior, especially human behavior, and with the experimental and scientific approach to this field. These courses aim to give the student background preparation for professions which relate to individual and group behavior.

101. PERSONAL ADJUSTMENT. An applied course dealing with the fundamentals of the adjustment process with emphasis on the adjustment of the student to college. Reading and study, social development, voca-

tional selection, personal efficiency, and the problems of emotional and spiritual growth will be given special consideration.

Three hours credit.

201. GENERAL PSYCHOLOGY. A brief study of the nervous system, sensory processes, and the physiological drives in behavior. Textbook,^o lectures, readings, and experiments.

Three hours credit.

203. EDUCATIONAL PSYCHOLOGY. A survey of the general psychological principles as applied to learning and the development of personality.

Prerequisite, Psychology 201.

Three hours credit.

Not offered 1951-1952.

204. SOCIAL PSYCHOLOGY. The behavior of the individual with reference to the group. Social factors in personality, such as imitation, suggestion, attitudes, ideals, etc. Reciprocal effect of group behavior on the individual.

Three hours credit.

205. HUMAN RELATIONS. A study of the social and psychological interaction of people with emphasis upon the conditions for, and diagnosis of, harmonious relations. Basic study materials are cases drawn from everyday experiences, supplemented by selected readings from a wide variety of sources. Class discussions, reports, few lectures.

Three hours credit.

206. GENERAL PSYCHOLOGY. A continuation of Psychology 201 for students specializing in Psychology.

Three hours credit.

301. INDUSTRIAL PSYCHOLOGY. The application of the principles to vocational guidance, problems of personality, problems of employment, advertising, the professions, and physical efficiency.

Prerequisite, Psychology 201.

Three hours credit.

Not offered 1951-1952.

302. ABNORMAL PSYCHOLOGY. A general survey of the principal forms of mental abnormalities with emphasis upon symptoms, causes, and treatment.

Prerequisite, two courses in Psychology.

Three hours credit.

303. **MENTAL HYGIENE.** Technique for diagnosing personality, study of personality.

Prerequisite, three hours in Psychology.

Three hours credit.

Not offered 1951-1952.

304. **STATISTICS.** Numerical trends, curve, index, correlations, interpretation of charts and graphs.

Three hours credit.

Not offered 1951-1952.

308. **CHILD PSYCHOLOGY.** Aims to study the behavior from birth to maturation; principles in harmony with normal, wholesome development of childhood; consideration of intellectual, emotional, social, physical, and vocational adjustments of youth.

Three hours credit.

401. **TESTS AND MEASUREMENTS.** Practical survey course of the field of tests, and measurements; deals with development of tests, principles involved in construction, administration, uses, and misuses of tests in school, industry, and court.

Prerequisite, General and Educational Psychology.

Three hours credit.

Not offered 1951-1952.

402. **SYSTEMATIC PSYCHOLOGY.** A study of the various theories of Psychology, with regard to their agreements and conflicts.

Prerequisite, three hours in Psychology.

Three hours credit.

415-416. **STUDIES IN PSYCHOLOGY.** Conferences, and oral and written reports on selected topics designed to round out a student's knowledge of Psychology. Limited to qualified majors.

Three hours credit per semester.

Not offered 1951-1952.

RELIGION

101. **THE LIFE AND TEACHINGS OF JESUS.** An exegetical approach to the life and teachings of Jesus according to the Gospel of Luke and its historical background. A comparison of the other synoptic gospels in an effort to give an integrated life of the Master will be considered.

Three hours credit.

102. **THE LITERATURE OF THE NEW TESTAMENT.** A general survey of the literature of the New Testament with the Acts of the Apostles considered as the basic source followed and integrated by the writings of

Paul. The literature will be studied in both the historical and literary approach with reference to dates, background, authorship, and general teachings.

Three hours credit.

103. THE LITERATURE OF THE OLD TESTAMENT. A survey of the most important works of the Old Testament concerning the nature of authorship and the general teaching of these books.

Three hours credit.

203. THE PROPHETS. A consideration of the prophetic movement in Israel beginning with the pre-literary prophets and including the works of Amos, Hosea, Isaiah, Jeremiah, and the prophets of the Restoration.

Three hours credit.

207. COMPARATIVE RELIGION. A comparative study of the religious beliefs and practices of mankind as they are represented in the living religions of the present day.

Three hours credit.

Not offered 1951-1952.

209. GROWTH AND DEVELOPMENT OF RELIGIOUS EDUCATION. A survey of the entire field of religious education will be made in its growth and development, including Judaism, Graeco-Roman, and Christian education, paralleling the history of the Church, with particular emphasis upon the period from Luther to the present.

Three hours credit.

Not offered 1951-1952.

222. CONTEMPORARY RELIGIONS IN AMERICA. A study of the religious life in the United States with special reference to the Protestant church, but also including the Roman Catholic church, Judaism, and the sects. Members of various religious groups will be invited to present their views to the class.

Three hours credit.

Not offered 1951-1952.

301. METHOD AND TRAINING EXPERIENCE. A consideration of the problems of organizing a curriculum, techniques of teaching, and leadership training. There will be actual supervision of training experience in the churches of the immediate vicinity, in both observation and participation in the educational work in an effort to give the student practical experience.

Three hours credit.

Not offered 1951-1952.

304. THE BIBLE AS LITERATURE. A study of the Psalms, the Book of Job, and other selected portions of the Bible with special emphasis upon their literary value. The spiritual significance of this literature of the Old Testament will be emphasized.

Three hours credit.

SCIENCE

The aim of these courses is to give the student not entering the scientific field a background of some of the more important laws, theories, and methods of the physical and biological sciences operating in the universe and their effect on mankind. Science 101-102 satisfies the science credit for graduation, but may not be counted toward any science minor or major.

101. SCIENCE. Survey course in the principles of the Physical Sciences.
Three hours of credit.

102. SCIENCE. A continuation of Science 101 emphasizing the Biological Sciences.

Three hours of credit.

SECRETARIAL SCIENCE

- 105-106. ELEMENTARY SHORTHAND. See Business 105-106.
- 107-108. ELEMENTARY TYPEWRITING. See Business 107-108.
- 114. BUSINESS COMPUTATIONS. See Business 114.
- 115. BUSINESS COMPUTATIONS. See Business 115.
- 116-117. BOOKKEEPING. See Business 116-117.
- 205. BUSINESS CORRESPONDENCE. See Business 205.
- 210-211. INTERMEDIATE SHORTHAND. See Business 210-211.
- 212-213. INTERMEDIATE TYPEWRITING. See Business 212-213.
- 214. MEDICAL SHORTHAND. See Business 214.
- 222. OFFICE PRACTICE. See Business 222.
- 331-332. ADVANCED SHORTHAND. See Business 331-332.
- 335-336. ADVANCED TYPING. See Business 335-336.
- 421-422. OFFICE PRACTICE. See Business 421-422.

SOCIOLOGY

The courses in sociology are designed to give students an understanding of human relationships, institutions and the social processes; to familiarize students with the nature and causes of social problems; to equip the student with basic courses for continuing advanced work in various fields of social study.

101. INTRODUCTORY SOCIOLOGY. A study of the genesis and development of human society including such topics as: the origins of man and



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human culture; primitive society and institutions; the origins of modern society; mores and folkways; and social organization and control.

Three hours credit.

201. SOCIAL PROBLEMS. A survey of certain problems of the contemporary social order including: the social hazards of modern industrial life; urbanization; social security; unemployment; illegitimacy; city planning; social settlements; social effects of the labor movement.

Three hours credit.

202. MARRIAGE AND THE FAMILY. A study of the background and contemporary aspects of the modern American family covering: cultural backgrounds of the modern family; historical phases of the modern family; contemporary family problems—biological, economic, and psychological; family disintegration and reorganization.

Three hours credit.

Not offered 1951-1952.

204. SOCIAL PATHOLOGY. A survey of the more serious pathological maladjustments of contemporary American society including: poverty; drug addiction; alcoholism; mental disease; prostitution; neglected children; disablement; and old age. One or more preliminary courses in Sociology desirable.

Three hours credit.

209. BUSINESS SOCIOLOGY. The place of business in the modern world; its relation to other institutions; social problems and human relations within business and industry.

Prerequisite, open to all Business Administration majors; others by consent of instructor only.

Three hours credit.

211. WORKSHOP IN THE RURAL CHURCH. A discussion of the problems of parish workers, and a study of the techniques of administration, public worship, preaching, visitation, evangelism, finances, religious education, conducting weddings and funerals and other pastoral functions. Required of, and restricted to, those serving charges while enrolled at Lycoming College.

One credit hour per semester, with a maximum of three hours credit.

302. EDUCATIONAL SOCIOLOGY. The aims, goals, and purposes of education as interpreted from the sociological viewpoint including: the school as a social institution; the home and education; the community and education; improvement of teaching service; educational guidance; discipline; and moral education.

Prerequisite, 3 semester hours of Sociology.

Three hours credit.

Not offered 1951-1952.

310-311. RURAL SOCIOLOGY. A study of the nature of rural social systems with emphases on the family and informal groups; neighborhood groups; social strata; rural service agencies; religious, educational, political, and occupational groups.

Three hours credit per semester.

401. CRIMINOLOGY. An introductory course including the nature and causes of crime; criminal detention and court procedure; the punishment of crimes; parole; and crime prevention.

Prerequisite, 6 semester hours of Sociology.

Three hours credit.

402. RACIAL AND MINORITY PROBLEMS. A study of the adjustments which the minority racial and national groups in our population are making; the contributions of these groups to the culture patterns in the United States; and immigration and naturalization problems.

Prerequisite, 6 semester hours of Sociology.

Three hours credit.

410. PASTORAL ACTIVITIES. A study of the techniques of public worship, preaching and other various functions associated with the average urban and rural church.

Prerequisite, Sociology 310-311.

Three hours credit.

Not offered 1951-1952.

412. PASTORAL ADMINISTRATION. A study of the problems and methods of church organization and administration as they influence rural and urban communities.

Prerequisite, Sociology 310-311.

Three hours credit.

Not offered 1951-1952.

413. RURAL COMMUNITY. A study of the various types of small American communities. A survey of the patterns of interaction, competition, and cooperation within them and a discussion of the needs and methods for their cultural and Christian improvement.

Three hours credit.

415-416. STUDIES IN SOCIOLOGY. Conferences, and oral and written reports on selected topics designed to round out a student's knowledge of Sociology. Limited to qualified majors.

Three hours credit per semester.

Not offered 1951-1952.

417. CONCEPTS OF RURAL LIFE. An analysis of the fundamental features underlying rural life, with a critical evaluation of the relation of country life to the whole of American society. The most effective means of developing the best features of rural life will be discussed.

Three hours credit.

419. THE RURAL CHURCH. The place and function of the church in the town and country. The distinctive contribution the church should make to the character of the community.

Three hours credit.

421. RURAL LEADERSHIP. An analysis of the opportunities for and problems of leadership in town and country areas. The personal qualities necessary for such responsibilities will be discussed to encourage more effective rural leadership.

Three hours credit.

SPANISH

A major in Spanish consists of 24 hours beyond Spanish 12.

A minor consists of 18 hours.

11-12. BEGINNING. Fundamentals of pronunciation and grammar; practice in reading, conversation, and composition.

Three hours credit per semester.

101-102. INTERMEDIATE. Review of grammar. Study of modern texts; outside readings and reports; practice in conversation and composition.

Prerequisite, 11-12 or equivalent.

Three hours credit per semester.

201-202. ADVANCED. Reading of Golden Age and modern texts; outside readings and reports. Study of principal literary movements and civilization.

Prerequisite, 101-102 or equivalent.

Three hours credit per semester.

203-204. COMMERCIAL. Study of business letters and practice in writing replies. Business terminology and trade relations with Spanish-speaking countries, dictation of typical business material.

Prerequisite, 101-102 or equivalent.

Three hours credit per semester.

Not offered 1951-1952.

301-302. ADVANCED GRAMMAR. Spanish style illustrated by reading representative modern authors. Difficult points of grammar and usage studied. Drill on idioms and verb forms of high frequency.

Prerequisite, 201-202, 203-204 or equivalent.

Three hours credit per semester.

303-304. CONVERSATION. Study of customs, manners, and conditions in Latin America. Representative works are read and discussed in Spanish.

Three hours credit per semester.

Not offered 1951-1952.

305. CERVANTES. Lectures on the thought and prose literature of the Golden Age in Spain, comparison with trends in other literatures. Study of the *Novelas ejemplares* and *Don Quijote* of Cervantes. Readings and reports.

Prerequisite, two years of College Spanish.

Three hours credit.

306. GOLDEN AGE DRAMA. Lectures on the history of Spanish drama, comparison with the drama of other countries. Study of plays by Lope de Vega and Calderon. Readings and reports.

Prerequisite, two years of College Spanish.

Three hours credit.

401-402. SURVEY. A study of representative works from the earliest monuments to modern times. Analysis of the texts and their relations to other literatures. Required of all majors.

Prerequisite, 301-302 or equivalent.

Three hours credit per semester.

415-416. STUDIES IN LITERATURE. Special studies for majors. Conference hours and reports to be arranged.

Prerequisite, 401-402.

Not offered 1951-1952.

SPEECH

101. PUBLIC SPEAKING. Development of assurance in public appearance through prepared and impromptu speaking. Training in voice production, bodily control, enunciation, pronunciation, use of correct English. Voice recordings.

Three hours credit.

102. PUBLIC SPEAKING. Advanced course in types of public addresses, panel discussions, debating, choral reading. Training in speaking on the radio, construction of addresses for radio demands. Voice recordings.

Three hours credit.

201. RADIO SPEECH. Introduction to proper radio speech technique, microphone practice, criticism, voice recordings, interpretation of radio dramatic material. Local broadcasts. Instruction in use of panel and controls.

Three hours credit.

302-303. PLAY PRODUCTION. Fundamentals of acting, stage design, costume, and make-up. Lecture and laboratory work with final goal production of plays.

Three hours credit per semester.

SUMMARY OF STUDENTS

SUMMER SESSION 1950

College Enrollment

Arts and Science	90	
Business Administration	59	
		<hr/>
Total		149

Fall Semester 1950

Arts and Science	263	
Business Administration	188	
Pre-Engineering	23	
Secretarial and Medical Secretarial	44	
Laboratory Technology	9	
Art	5	
Music	8	
Nurses (29) and Special Students (14)	43	
Evening School	93	
		<hr/>
Total		676
		<hr/>
Total Fall and Summer Sessions		825
Less Duplications		96
		<hr/>
Total		729

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GIFTS AND BEQUESTS

Extension of many of the services rendered by the College must depend upon the generosity of private benefactors. A gift or bequest in any amount will be helpful in advancing human knowledge and in providing additional educational opportunities for the youth who attend Lycoming College.

The President of the College will be glad to discuss the needs and projects of the College with interested persons, and to suggest means for achieving the object of their benefactions.

FORM OF BEQUEST

To the Trustees of Lycoming College, I give and bequeath the sum of \$ to be used by said Trustees for the uses and purposes of said Corporation.



